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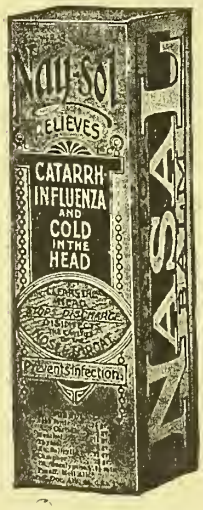

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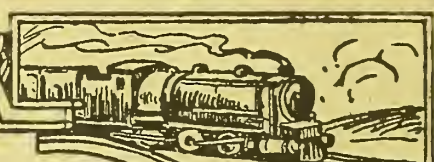

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Saccharine Tablets.

½-gr., 330 in 1

WE were amongst the earliest firms to lay down plant necessary to meet the demands for Saccharine Tablets, and have always kept our old customers fully supplied at favourable prices.

We have never manufactured tea sweeteners (so-called) of unstated strength, but have guaranteed a definite strength of saccharine in every tablet we have offered.

To-day, owing to our large output and favourable buying, we are still enabled to lead both as to quality and price.

The market for the last few weeks has developed well for the buyer, and to-day we can offer ½-gr. (330 in 1) Saccharine Tablets at £4 15s. per lb., post paid, cash with order.

Send us your order to-day.

Don't forget to ask for the Holoyd Magazine.

H. O. LLOYD, Manufacturing Chemist,
321/323 Coventry Road, Birmingham.
London Depot: 3 Finsbury Square, E.C. 2.

£4 : 15 : 0 per lb.

IT WILL BE TO THE ADVANTAGE OF BUYERS OF

Saccharin, 550 Insoluble Monsanto or Empire

ALSO

AMERICAN

U.S.P. White Milk Sugar

TO COMMUNICATE WITH

MORRIS & JONES, Ltd., 82/86 Whitechapel, Liverpool.

TELEGRAPHIC ADDRESS: "SPOTLESS LIVERPOOL." TELEPHONE NO.: ROYAL 4820.

Saccharin Tablets

SPECIAL OFFER OF FIVE MILLION FOR IMMEDIATE DELIVERY.

Guaranteed absolutely Pure and Soluble.
Made from finest American 550 Monsanto Saccharin.

¼ grain, 330 in 1. Equal to one lump of Sugar. (Over 7,000 to the lb.)		£	s.	d.	⅓ grain, 330 in 1. Equal to most ½-gr. tablets. (Over 7,000 to the lb.)		£	s.	d.
1 lb.	@	4	5	0	1 lb.	@	5	5	0
2 ,,	,,	4	4	6	2 ,,	,,	5	4	9
4 ,,	,,	4	4	0	4 ,,	,,	5	4	6
7 ,,	,,	4	3	6	7 ,,	,,	5	4	0
14 ,,	,,	4	3	0	14 ,,	,,	5	3	0

Envelopes containing 100
UNCONTROLLED
SACCHARIN TABLETS
to retail at 1/7½ each, 15/6 per doz.
Cash with Order. Immediate Delivery.

Registered Post Free.

AUSTIN, Wholesale Chemist,
Alum Rock Road, BIRMINGHAM.

Saccharin Tablets

Buy direct from the Manufacturers to obtain the best value for money.

½-grain (330 in 1)	¼-grain (330 in 1)
£5 19 0 per lb.	**£3 17 0** per lb.

Order now for your Christmas Supply.

THE B. & A. TRADING CO.
6 St. George's Terrace, Regent's Park, LONDON, N.W. 3.

SACCHARIN TABLETS

Full Strength, ½-gr. 330 in 1 grain guaranteed.
1 lb., 100/- 5 lb. @ 99/- 10 lb. @ 98/-
10,000 @ 14 2 50,000 @ 14/- 100,000 @ 13 9
⅓-gr. 330 in 1.
10,000 @ 11/3 50,000 @ 10/9 100,000 @ 10 6
Cash with Order. Carriage Paid.

R. GIBBINS & CO. Wholesale Tablet Manufacturers.
1 Birkbeck Road, Kingsland, London, E. 8.

"EMPIRE"

SACCHARINE

INSOLUBLE - GUARANTEED U. S. P. 550.

Spot and Forward Deliveries

Also METHYL SALICYLATE.

WRITE

GASTON, WILLIAMS & WIGMORE, Ltd.

20 BISHOPSGATE, E.C. 2.

TELEPHONE: London Wall 3040. T. A.: "Gastonorge, London." (1)

DAMANCY & CO., HARROW

SACCHARIN (Monsanto) TABLETS

½ grain 330 in each tablet.

10/6 per 1,000; 10/- per 1,000 for 20,000; 9/6 per 1,000 for 100,000. Reduction for larger quantities. Cash with order. Carriage paid.

SACCHARIN TABLETS.

Exceptional Offer. ½ grain 330. To Clear Stock.

1 lb. (average over 7000)		£4 0 0
5 lb.	" "	@ £3 19 0
10 lb.	" "	@ £3 18 0
20 lb.	" "	@ £3 17 0

Strength guaranteed.

MARSH, BROOKS & Co., 58 Victoria Sq., BOLTON.

BUY ONLY WITH A GUARANTEE AS TO PURITY.

SACCHARIN TABLETS

330, ½-gr., 1 lb. (8000) 13/6 per 1000; 330, ½-gr., 1 lb. 16/6 per 1000; 330, ½-gr., 1 lb. 20/6 per 1000. Special quotations for larger quantities. A sample 1000, ½-gr. 15/-. A guarantee as to purity and solubility.

Cheque with Order, crossed London City and Midland Bank.

WATSON & CO., Tablet Manufacturers, QUORN, LOUGHBOROUGH.

HOLMIER SACCHARIN TABLETS.

REDUCTION IN PRICE. All approx. 8,000 to lb. American Saccharin

5,000 lots	...	½-gr.	11/6	⅓-gr.	15/9	½-gr.	17/3 per 1,000
10,000	"	...	"	11/3	"	15/6	"	17/-	"
20,000	"	...	"	11/-	"	15/3	"	16/9	"
50,000	"	...	"	10/9	"	16/-	"	16/6	"
100,000	"	...	"	10 6	"	15/9	"	16/3	"

Cash with Order. Reg. Post Paid. Immediate Delivery.

Orders less than 5,000 will be 6d. per 1,000 extra.

MEYER, Manufacturing Chemists, 98 COLMORE ROW, BIRMINGHAM

SACCHARIN 550

COUMARIN VANILLIN HELIOTROPIN

GRANT, HUGHES & CO.

21 Mincing Lane - LONDON, E.C. 3.

Telephone—Avenue 4567. Teleg. Address—"Nitroform London."

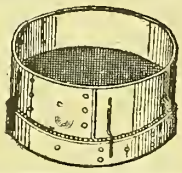
Saccharin Tablets.

½ gr., 330 in 1. Guaranteed the Genuine Article.
£5 per lb. Cash with Order.
Delivery per return. Reg. post paid. Special quotations for large quantities.
HENRY BOWN, Chemist, 154 Cemetery Road, SHEFFIELD.
Telegrams: 2742 Sheffield.

FOR SALE.

HARD WHITE BLOCK.

10 cwt. Redistilled STEARINE, 120/122 M.P.
3 tons NEUTRAL FAT - 126/128 M.P.
190/- per cwt., or nearest bid.
Box 236/34, Office of this Paper.



For your **Sieves and Wire Gauze** try the actual Makers!

S. RAMSEY & CO.,

198/202 ST. JOHN STREET, E.C. 1.

Telegrams: "Methodical, Smith, London." Telephone: Holborn 6337 (3 lines).

NOW THAT **LICORICE JUICE** IS SO DEAR

ASK FOR

"NEGRO"

(REGISTERED BRAND.)

CHEAP AND WHOLESOME

IN 10-lb. BLOCKS, AND STICKS OF ALL SIZES.

The New PURE LIQUORICE Juice.

APOLLO

Made by the Largest Liquorice Manufacturers in the World. Is the concentrated extract of the richest root. Contains no added substance whatever. It is very soluble, smooth to the tongue, and entirely free from grit. It is made where the root grows, under supervision of British staff. Is not a sweetmeat but a high-class Pharmaceutical article. **"APOLLO" IS VERY HIGH IN GLYCYRRHIZIN.**

The makers of "APOLLO" Stick Juice, who are also makers of the old-established brands of "V.B." and "B.X." Block Juices, much regret the stoppage of their shipments due to the War. They are, however, glad to assure their buyers that large stocks of Liquorice Root have been accumulated in the interval, so that manufacture will proceed rapidly as soon as hostilities cease.

MACANDREWS & FORBES, Ltd., 2 Broad St. Place, LONDON, E.C. 2

ESTABLISHED 1857.

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS: ELEVEN CENT LONDON

S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
CODE: A:B:C 4TH & 5TH EDITION

Maw's Page.

NUMBER 373. DEC. 7 1918

SPECIAL CLEARANCE LINES IN DOUCHE CANS

THE "IDEAL."

Inquiries have elicited that there is often a demand for spare parts of these apparatus, and a Chemist will find later his stock depleted of their cans, &c., &c. Our customers will now have an opportunity of completing their stocks and anticipating this demand, an over-stock order for a foreign client having enabled us to offer these spare cans at special

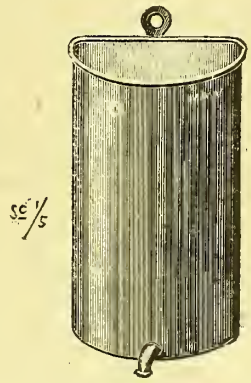
PRICES.

ENAMELLED STEEL, without fittings
2 pint. **3/6**, 3 pint, **3/9**; 4 pint, **4/6** each.

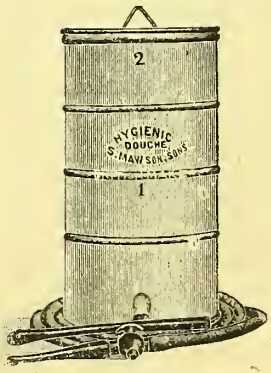
HYGIENIC, without fittings
2 pint, **3/9**; 4 pint, **4/6** each.

CHINETTA, without fittings **2/6** each.

The IDEAL DOUCHE, with best red tubing .... **6/-** each.



ENAMELLED STEEL.



THE "HYGIENIC."

MAW'S DOUCHES IN GREAT VARIETY

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

THE DIGESTIVE FERMENTS CO.

DETROIT, U.S.A.

BACTOPEPTONE

Acknowledged to be the best and most reliable Peptone for Bacteriological use.

DIASTASE
PANCREATIN
PEPSIN
TRYPSIN

HÆMOGLOBIN
OX GALL
SODIUM CHOLATE
,, GLYCOCHOLATE

ORGANO-THERAPEUTIC PRODUCTS
OVARIAN, THYMUS & THYROID SUBSTANCES, &c.

Address inquiries, orders, &c., to

MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

BRITISH MADE

SCENT SPRINKLERS
COLLAPSIBLE TUBES
Decorated Tin Boxes & Canisters

Manufactured by

The JOHN DALE Mfg. Coy.
NEW SOUTHGATE, LONDON, N.

"Strodonia"
VANISHING CREAM

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

1½ dozen	7½d.	selling for	11 3
¾ ,,	1/-	,, ,,	9 0
For 10/- cash with order, carriage paid.			20 3

Orders value £5 subject to 10% discount and 1 doz. 1/- size bonus for window display, showing 38% on Turnover.

STRODE COSH & PENFOLD, Manufacturing Chemists LOWER UNION ST., BRISTOL.

ON THE P.A.T.A The Proprietors of

"SoToL"
Antiseptic Mouth & Throat
WASH

beg to introduce to Pharmacists their new

SOTOL non-Carbolic TOOTH POWDER

Sold in boxes at 1/- each, and to the trade at 8/- per doz.; 7/9 by 6 doz.; 7/6 per doz. in gross lots and up.

THE WESTERN DENTAL MFG. CO., LTD.
74 Wigmore St., London, W.1. Laboratories: W. Ealing, London, W.13.

← STANDS FOR
EMREH

the name to remember when you order Bottle Cappings
SELF-FIXING, HERMETIC, ARTISTIC, CLEAN.
Details from
The VISCOSE Development Co., Ltd
BROMLEY, KENT.

USE COLLOIDAL DRUGS

CROOKES'

All clinical reports confirm the superiority of Colloidal over molecular solutions.

are Colloidal Drugs, adopted by the medical profession and hospitals.

SPECIAL COLLOIDS.

COLLOSOL ARGENTUM.

A non-toxic antiseptic, for all purposes, by tropical application. Indicated in affections of the Throat, Ear, Nose and Eye—especially in Influenza. Also by internal administration, in diarrhœa and intestinal disorders.

COLLOSOL SULPHUR BATHS.

Indicated in Rheumatism and skin affections. (See "British Medical Journal," 12th May, 1917.) These baths are more potent than any natural sulphur waters, contain no impurities, no free sulphuretted hydrogen, and do not injure the home bath.

COLLOSOL IODINE.

(1) Aqueous. (2) Pasta. (3) Oil. (4) Ointment.
Stainless and Non-irritant. Never causes iodism. Specially recommended by the Medical Profession, avoiding the disadvantages of Tincture of Iodine, and of Potassium Iodide.

COLLOSOL FERROMALT.

An ideal food-tonic, containing the best principles of meat and malt, in combination with colloidal iron, in which form alone iron is perfectly assimilable and avoids constipation and digestive troubles.

COLLOSOL SULPHUR OIL.

Specially prescribed for disorders of the scalp and loss of hair.

DOUSHOL.

An entirely non-toxic and non-corrosive colloidal douche, which, unlike the powerful intra-uterine douches, increases epithelial activity. Antiseptic, pleasant in odour, and may be used *ad libitum.*

COLLOSOL SUPPOSITORIES and PESSARIES.

Specially indicated in piles and leucorrhœa.
Also Suppositories and Pessaries of Cocaine and Quinine for special purposes.

PRICES FULLY PROTECTED.

Profit to Chemists 33⅓% on outlay, or 25% on returns.

SEND FOR PARTICULARS AND LITERATURE.

COLLOSOLS are prepared for the Proprietors, Crookes' Collosols Ltd., at

THE CROOKES' LABORATORIES,

50 Elgin Crescent, LONDON, W. 11.

P.A.T.A. NOTICE.

113 Temple Chambers, E.C. 4.

The prices announced below will come in force as from the date of this issue:—

Advert. Price.		Minimum Retail Price.	Minimum Wholesale Price.
	Edwards, Wm., & Sons' Goods:—		
2/9	Fumeline Lamps and Fumeline complete	2 9	25/-
1/9	,, Liquid, without lamp ..	1/9	16/-
3/-	Pomade Divine	3/-	27/-

COUNCIL ELECTION—NOMINATIONS.

The election of 12 Retail Vendors of Proprietary Articles to form the Retail section of the Council of the Proprietary Articles Trade Association for 1919 will take place in December. Nominations will be received by the Secretary, 113 Temple Chambers, E.C. 4, up to and including December 12.

LOVELY EYELASHES (A BRITISH SCIENTIFIC TRIUMPH)

P.A.T.A. M.R. Prices. 1/, 1/9 & 3/6

EXTENSIVELY ADVERTISED

Colourless, harmless eyelash food. Beneficial to the eyes.

25 % on small orders, 33⅓ % on Gross Lots.

CURLASH CREAM

For a small show in your window:

OUR WINDOW-SHOW OFFER	3 Doz. @ 1/-	£1 16 0
	9 Free	9 0
	Returns	£2 5 0
	Outlay	£1 7 0
With Dummies and Show-cards. Carriage paid.	NET PROFIT 66⅔%	18 0

THE BALDWIN MFG. CO., Ltd., 95 Wigmore St., London, W. 1.

MECHANICAL DENTISTRY.

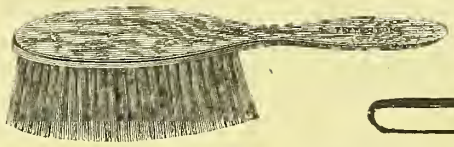
A. A. TAYLOR, Ltd., beg to announce that they are now in a position to accept an unlimited amount of Mechanical Dentistry in every branch, having the largest staff of picked mechanics of any firm working for the profession, who are under the direct personal supervision of the principal.

Perfect workmanship and artistic finish guaranteed.

Send for terms and price list to our only address:—

A. A. TAYLOR, LTD.,
THE Specialists in Mechanical Dentistry,
70 New Briggate, LEEDS.

Titterton's Celebrated TOILET Brushware



TITTERTON & HOWARD, 8 & 10 Great Titchfield St., London, W.1.
FACTORY: ALBION WORKS, DALSTON LANE, E.8.

SAFETY RAZORS

British Made.

Numerous patterns, suitable for all markets.
English or Foreign catalogues on application.
We are the largest makers in Great Britain.

ROWLAND HODGES Ltd., Birmingham, Eng.

Branch Offices: LONDON (Turner, Ryalls & Co., Ltd., Agents), 64 Basinghall Street, E.C.; GLASGOW, 52 St. Enoch Square

1868 to 1918

"O, for the bloom o' my
ain native heather!"
—*Hogg.*

Ayrton's Scotch Heather

is a delightful FLORAL ODOUR of great strength and real distinction. You will render your customers a favour by recommending it.

Each bottle is packed in a Carton, the distinguishing feature of which is the decorative Farquharson Tartan. As is customary with our goods, the Showcards harmonize—we had almost said "Charmonize."

A distinctive PERFUME in a distinctive pack, and an all-the-year-round line!

The retail price is - **2/6** per bottle.
The wholesale price is **18/6** per doz.
SPECIAL QUOTATIONS FOR QUANTITIES

AYRTON, SAUNDERS & CO. LTD.
Manufacturing Chemists **LIVERPOOL**

IT PAYS TO PUSH
JOHN BOND'S
"CRYSTAL PALACE" MARKING INK

43% Minimum Protected Profit

Per Doz.
6d. size, **3/7** Minimum protected selling price, **5d.**
1/- „ **6/7** „ „ „ „ **9d.**

43% Minimum Protected Profit

This will show retailers a profit on the 6d. size of no less than 43 per cent. The rate of profit on the 1/- size will remain the same.

Minimum Order at Wholesale Rates:

One Cross of 6d. size amounting to 38/- or assorted order to same value. 1/- size 69/- per Cross. Carriage paid on parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses.

When ordering, please specify if HEAT or NON-HEAT is required. A good assured minimum Profit on this Marking Ink which will always make new customers.

Compare with what you are paying for other makes, and NOTE the difference. Retailers need not fear with *this* make competition by cutters.

Manufactory : 75 SOUTHGATE ROAD, LONDON, N. 1.

METHYLATED SPIRIT
OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.
Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

KOLENE
FOR THE HAIR
is sold in all parts of the United Kingdom.
Sales run into millions annually.

2d. Boxes	Kolene	16/-	per grs.
4d. „	„	32/-	„
1 oz. Jars	„	48/-	„
2 oz. „	„	72/-	„
3 oz. „	„	96/-	„

These prices are strictly net.

KOLENE
has a rapidly increasing SALE.

Ask for one of our travellers to call, or order direct from
The KOLENE CO., 206 Stewart's Rd., London, S.W.

'Ongard' Guarded Coil Safety Pins RUST PROOF.

REGD TRADE MARK

For Surgical & Nursery Purposes.

SOLE MANUFACTURERS
GEORGE GOODMAN LTD.,
BIRMINGHAM.
Stocked by J. L. HATRICK LTD., LONDON.

"Regina" always profitable

PRICE'S REGINA

SHAVING STICK

RETAIL 1/- PRICE

is finding an ever-growing public, because of its intrinsic excellence, its fine lathering qualities, and its first-rate value for money.

From your point of view, the *handsome profit* on "Regina" makes "Regina" worth while.

A postcard will bring you full details.

Attractive Showcard
Arresting Publicity
Immediate Sales

PRICE'S

BATTERSEA LONDON S.W. 11

YOUR LAST OPPORTUNITY

140% PROFIT!

BUY
CARMOL SKIN TABLETS NOW

These tablets have an ESTABLISHED REPUTATION.
The best SOOTHING AGENT for all SKIN IRRITATION.
As a SKIN TONIC they have NO EQUAL.

The preparation and packing of CARMOL SKIN TABLETS are *Especially Attractive.*

Special Offer closing December 3

SAMPLE ORDER.

5 gross (on Cards) @ 8/-	£2	0	0	Sold @ 1½d. each	£4	10	0
1 gross @ 24/-	1	4	0	Sold @ 4½d. each	2	14	0
	3	4	0				
Cash Discount, 4/- ...	0	4	0				
	£3	0	0		£7	4	0

Wholesale terms on application. On and after December 4 prices will be increased by 50%

The CARMOL Manufacturing Co.
28 Bath Row (also 137 & 138 Cregoe St.) ***BIRMINGHAM***

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants, Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A: Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A. Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
" " " bottles in cartons	2/-	16/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

PAPER

100 Reams strong Brown Tissue, 18×28 in., 16/6 per ream. Cash with Order. 10 reams Carriage Paid. Also Browns and Krafts in stock.

D. W. BULL, 4 CHURCHILL ROAD, HOMERTON, E. 9.

Viuda de José Solernou

Diputacion 164, Barcelona, Spain.

AGENCY & REPRESENTATIVE HOUSE. ESTABLISHED IN 1875.
Member of the British Chamber of Commerce at Barcelona.

AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.

HUNDREDS OF CHEMISTS ARE DOING WELL BY SELLING

SANCO TOOTH POWDERS

(in Six Varieties, including Pink Carbolic, White Cologne, Oxygen, Elite, and Thymol)

OF STYLE & QUALITY.

Your name appears on the label.

On P.A.T.A. at 6d. Costs 45/- per gross.

Particulars from

MAURICE SMITH & Co., Ltd.
Manufacturing Chemists, KIDDERMINSTER. (7)

WHOLESALE :

10/-

Per Dozen Bottles.

No. 896.

RETAIL :

1/3

Per Bottle.

"KLONDOL"

is an improved Cleansing Antiseptic of the Lysol Class, and is a really good, powerful, clean working and safe Disinfectant. It is being used in many of the principal Hospitals and Institutions. "Klondol" forms a transparent solution with water, and is of maximum bactericidal potency.

INCLUDE "KLONDOL"
ON YOUR NEXT ORDER.

Write for full particulars to

EDWARD COOK & CO., LTD.,

BOW, LONDON, E. 3.

TOOGOOD'S TOILET CREAMS

Creme Altesia

A non-greasy Face Cream. Packed in 1-oz. Screw-capped Jars, each in Carton. 7/- per doz.

Altesia Skin Food

A greasy Skin Cream. Packed in 1½-oz. Flat Screw-capped Jars. 7/- per doz.

Manufactured only by

William Toogood, Ltd., 77 Southwark Street, London, S.E.1.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.)

for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.1.

Veldt Cream

LABEL-TITLE. COPYRIGHT

THE LIQUID VANISHING SKIN FOOD.

Guaranteed absolutely free from Glucose, Benzoin or Tragacanth, so cannot dry up the skin.

PAYS 40 % ON MONTHLY BONUS TERMS.

Retail.	Size.	Price.	Free Bonus
3½d.	1 oz. bots.	36/- per gross	2 doz. 9d. on quantities named or pro rata with each gross.
9d.	3 oz. bots.	7/- per doz.	2 doz. 9d. with each 6 doz.
1/3	6 oz. bots.	12/- per doz.	2 doz. 9d. with each 4 doz.
2/6	12 oz. Bath-size bots.	24/- per doz.	2 doz. 9d. with each 2 doz.

FREE IN ADDITION TO BONUS.

On £3 orders carriage paid.

Peach and Lilies Showcard (water-colour reproduction). Silent Salesman Showcase picturing Ellaline Terriss. Monster Show Bottle filled with genuine "Veldt" Cream.

Obtainable on bonus terms only from

THE VELDT LABORATORY, Louth, England

or through our Special Agents.

AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.

PETROLEUM JELLIES

White, Yellow, Amber and Red.

For Pharmaceutical and General Purposes.

AMERICAN SPIRITS OF TURPENTINE,
OLIVE, CASTOR, COLZA OILS,
ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.

Time is getting on and

Quin-Quenna

BETTER THAN A SHAMPOO

HAVE YOU SENT IN YOUR POSTCARD
FOR THE
XMAS GIFT PROPOSITION

If not, then we suggest that it be sent soon. Orders are plentiful, and will, of course, be executed in rotation; advertising is pulling better than ever, and sales are therefore most easy. Nicely packed, attractive containers and showcards, all ready for immediate display. Just to remind you the offer is

PER DOZ. **4/-** PER DOZ.

12 doz. QUIN-QUENNA
2 „ „ Bonus.
1 doz. tabs. Margery Skin Soap, made from virgin Olive Oil—FREE.

P.A.T.A. EACH **6d.** P.A.T.A. EACH

The soap is particularly good quality, and the one dozen is for free distribution among your best Quin-Quenna buyers. Of course, soap quantity is rationed, and the offer holds good so long as it lasts. We wish we could spare more Bear in mind it is of a quality that in these days is practically unobtainable.

CARRIAGE PAID TO YOUR ADDRESS.

CHRISTY'S Old Swan Lane, **LONDON, E.C. 4**

FINAL DAY—DECEMBER 15th

December 15th isn't far off.

ELEY BROTHERS,
LIMITED

specialise in the manufacture of the following articles at the lowest prices :

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals : Brass, Copper or White metal (nickel or silver plated) Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

'KO-TAL-KO'

CERTAIN IN RESULTS and CERTAIN IN SALES

THE PUBLIC WANT IT

For strong advertising has taught them its merits, and practical experience has proven its claims. "KO-TAL-KO" is the strongest recommended hair preparation on the market, and this, in conjunction with my widespread publicity, is the best of all reasons why

YOU SHOULD STOCK IT.

Apart from quick and ready sales my trade prices allow of a fair profit to you. "KO-TAL-KO" is always on the move, never cumbers the shelves long, and is a business asset of the highest value for your repeat orders are always warranted.

IT PROFITS EVERYONE.

"KO-TAL-KO" does justice to me, to you and to the public, and every Chemist and Druggist should order a supply.

ORDERS AND DETAILS FROM

J. Hart Brittain Ltd
(Dept. C.D. 2),
2 PERCY ST., LONDON, W.1.

RETAIL PRICE P.A.T.A. 5/- Size 12/6 ..

TRADE PRICE 48/- per doz. 112/6 ..

Make your old Hat a new one.

In bottles, 1/- each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

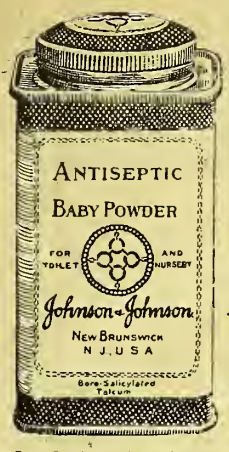
WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.

London Depot: 80-82 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired.

Special Non-Inflammable Series for Export. Est. 1878

Telegraphic Address: "Dulbette Kendal." Telephone: No. 214.



Look for the Name and Trade Mark.

WARNING.

The package is being imitated, but the contents and the trade mark are inimitable and the name of **Johnson & Johnson** is the **Hall-mark for Quality.**

Antiseptic Baby Powder

Johnson & Johnson.

Minimum Retail Selling Price P.A.T.A. 10½d. per package.
Cost 7/- per dozen net.

We are now in a position to supply THE ORIGINAL Antiseptic Baby Powder from our London warehouse.

EMPTY CONTAINERS. How to help in a War Economy.

AS it is very difficult to obtain an adequate supply of the containers for the Antiseptic Baby Powder, we consider it a National Duty at this time to endeavour to conserve these and save material and labour wherever possible. With this object in view we are prepared to make a substantial allowance for all empty containers returned to us in good condition, not scratched. For full particulars as to this allowance look for the notice which is sent but with the orders for this Antiseptic Baby Powder.

JOHN TIMPSON & CO., Ltd., 104 & 106 Golden Lane, London, E.C.1

Phone: City 6910—6911. Telegrams: "Porous London."

"LESCOL" FLORAL PERFUMES

NOTICE

ON account of shortage of spirit and raw materials, Christmas Perfumes will be very scarce this year; but as we are holding a very fair stock at remunerative prices to our customers, we strongly advise them to send us their requirements at an early date, in order to avoid disappointment. On receipt of postcard, if possible, one of our representatives will call with samples when next in your vicinity, or we will forward you a complete price list.

We also hold good stocks of ESSENTIAL OILS at lowest market prices, & FLORAL OTTOS, FRUIT ESSENCES, CHEMICALS, &c.

LESCOL PERFUMERY CO. Lomond Grove, Camberwell Green, LONDON, S.E. 5.

Telephone: 810 HOP. (Proprietors: The London Essence Co.) Telegrams: "VANILLIN, CAMBER, LONDON."

THANK YOU!

We have decided to offer for a short time only our "MOOVIT" Corn Pencils at a reduced price. You want more customers. You want more sales, and the profits they bring you. Our goods, if displayed in your window or on the counter with our attractive and striking Showcard, will soon find a steady and progressive sale.

SPECIAL OFFER

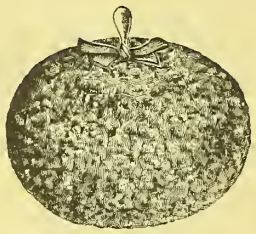
Cost, 3 doz. at 8/- - - £1 4 0
Selling Price, 3 doz. at 15/- - £2 5 0
which gives you a profit of £1 1 0.
Price 1/3 on P.A.T.A. List.

Cash with Order. All goods are carriage paid. The time to order is now, while you have the matter before you.

TALBOT WILSON,
20 HIGHGATE ROAD, LONDON, N.W. 5.

STERNS LIMITED
A.D.5., Royal London House, Finsbury Sq., E.C. 2.

Telephone: 3797 LONDON WALL. (Four Lines.)
Telegrams: "CENTUMVIR, PHONE, LONDON." (Two Words only.)



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Powder Puffs

OF EVERY KIND.

SOLPORT BROTHERS
LIMITED,

Wholesale and Export Manufacturers of Druggists' Sundries and Toilet Accessories,

184 to 190 GOSWELL ROAD
LONDON, E.C. 1.

To the Trade.

We beg to inform the trade that we have going on in the daily press a novel scheme of advertising our unique preparation to the public, and intend that the direct benefit of it shall go straight to our customers.

We therefore strongly advise you to replenish your stocks against this campaign, and orders should be sent early to avoid late deliveries.

TOZANA is obtainable from your Wholesaler or direct, and shows you a very high rate of profit.

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HAIR FOOD

257 Gray's Inn Rd., London, W.C. 1.

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS

USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRÈRES

92, RUE VIEILLE DU TEMPLE, PARIS.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

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Manufacturers of the "Stowaway" Suspensory Bandages, Cotton or Silk, and over 100 other patterns. (*Wholesale only.*)

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Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied if desired at lowest market prices. Write, stating requirements—

MARTIN & CO., 71 City Road, Finsbury, **London, E.C.1**

High-Class Emollient for the Hands.

"MENOLAN" for the Hands.

Prices: Retail 7½d. per tin, 60/- per gross, with 1 doz. bonus, and 2½% discount for cash in 7 days.

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London Agents, F.H. Plews & Co., Canterbury Rd., S.E.

COTTON WOOL 2/- per lb.

ONLY LIMITED QUANTITY. Orders in rotation. One pound rolls, white, absorbent, interleaved, 1-cwt. and 56-lb. bales. Carriage paid. Cash with order. Wrappers 3/6 extra, returnable. Sample for stamp.

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What Is It?

CELLOPHANE

is pure Cellulose, **absolutely** air, grease, and odour proof, strong and pliant, unexplosive, **unaffected** by cold, heat or moisture.

The best Substitute for Gelatine and Tinfoil.

An **ideal wrapping** for Drugs, Perfumery, Confectionery, Provisions, &c., and all articles of Toilet.

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Can be had plain transparent, coloured and embossed.

Also in the shape of **Discs** for Creams, Ointments, Boot Polishes.

CELLO-DRESSINGS.—A perfect and **sterilisable** dressing and packing medium for Bandages, Surgical Dressings, Instruments, &c.

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Established 1899.

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NEW YORK MILAN. PARIS PETROGRAD.

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SALICYLIC ACID B.P.
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ROSEMARY SPIKE LAVENDER RED THYME
PENNYROYAL AND SAGE OILS
ACONITE ROOT GENTIAN ROOT

INQUIRIES SOLICITED. ***GOOD STOCKS IN LONDON***

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THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
BALSAMS of Copaiba, Peru, Tolu.
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WHITE OILS

Send us your inquiries.

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80a Southwark St., LONDON, S.E. 1.

CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.
40 DIFFERENT KINDS.
Special Quotations to Wholesale Buyers

THE "MATERMADRE" LENS FRONT (Regd.)
CLINICAL THERMOMETER.

P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.
Made in Three Rapidities: Ordinary, 1 Minute and ½ Minute.

New Price List of Thermometers for every purpose, post free.

PERKEN, SON & CO. LTD.
ESTABLISHED 1852.
Contractors to H.M. Government.
99 Hatton Garden, LONDON.

BE SURE AND ADD

La-Rola Rose Bloom

TO YOUR STOCK AT ONCE,

as it is being largely advertised in the "Daily Mail," "Mirror," "Sketch," etc.

Do not lose the business through being out of stock.

It is the most natural tint on the market, and is selling well wherever introduced.

Lait La-Rola & Glycerine & Cucumber supplied as usual.

All these articles are protected at FACE VALUE. Write for Display Terms and save 10%.

M. BEETHAM & SON, Cheltenham.

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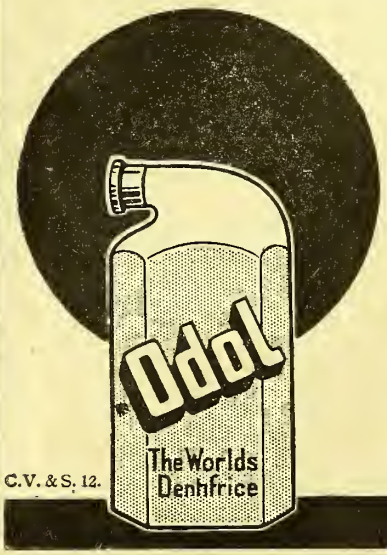


Send for Price List and Trading Terms.

Revised Retail Prices.
Grand Double Flask 5/3
Full-size Bottle 3/-
Half-size Bottle 1/9

ODOL Chemical Works, BERKHAMSTED.

C.V. & S. 12.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK "FRAME FOOD"

ON P.A.T.A. LIST. SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS TRADE MARK

Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ..	9 -	per doz.
" 2.	3¼ " " ...	14/6	"
" 3.	6½ " " ...	24/-	"
" 4.	12 " " ...	42/-	"

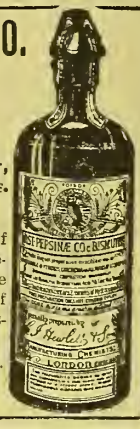
MIST. PEPSINÆ CO. c. BISMUTHO

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

British Medical Journal.



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Sizes from 1 Gallon to 10 Gallons.

Specially suitable for

ACIDS, ESSENCES, AND PHARMACEUTICAL PREPARATIONS.

"FARJAK" ASBESTOS FILTERING MEDIUMS

for use with the above—Pure and Neutral.

Filling, Corking, and Capsuling Machines.

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Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd., Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

Mustard?

—Yes! Rigollot's Mustard Leaves for Plasters. The original and only genuine.

OF ALL CHEMISTS AND STORES IN 6d. & 1/- Packets and 1/6 Tins.

67 Southwark Bridge, London, S.E.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

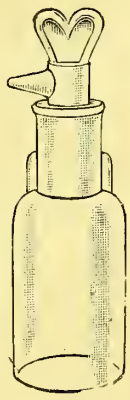
JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

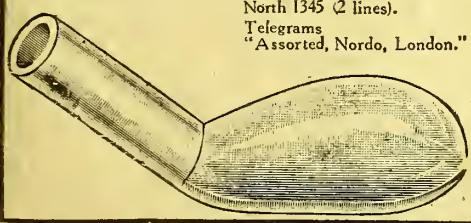
Buy your Glass from Stock.

We cannot stock everything, but we can safely say that we have stock of the most saleable lines.



½ oz., 1 oz. & 2 oz. Ampoules

Douche Linings (2, 3 & 4 pts.)



Telephone North 1345 (2 lines).
Telegrams "Assorted, Nordo, London."

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CHARLTON WORKS, ISLINGTON, LONDON, N.

Warehouses also at Barnsbury and off City Road.

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THE "ARTIC"

P. J. F. 2823.

COMMANDS A QUICK & READY SALE

BECAUSE

IT IS A RELIABLE AND TESTED REMEDY FOR BROKEN OR UNBROKEN CHILBLAINS

IT is Packed in Attractive Cartons & Show Boxes that Sell at Sight.

IT Shows Good Profits. (Protected P.A.T.A.)

6D. size 4/- per dozen.
1/- „ 7/6 „ „
Show Cards and Show Boxes FREE.

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49 LAMB'S CONDUIT STREET, LONDON, W.C.
Or the WHOLESALE LONDON HOUSES: Messrs. BUTLER & CRISPE; F. NEWBERY & SONS, R. J. REUTER; HOCKIN WILSON'S; ROYLE & CO.; and LORIMER & MOYES, GLASGOW.

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For OPEN WINDOW DISPLAYS.

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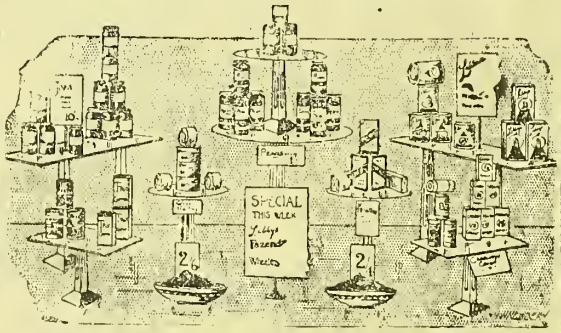
WRITE FOR OUR LIST SHOWING MANY NEW DESIGNS FOR OPEN WINDOW DISPLAYS



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Price **126/-** complete.

Our WINDOW PAPERS are 4/3 per roll of 12 yards. 21 in. wide—WRITE FOR SAMPLES.

RADIUM COMPOUND.
SELF-LUMINOUS.
Highest Possible Efficiency, Durability & Value.

As supplied to H.M. Government, &c.
Guaranteed to pass N.P.L. requirements.
All Grades in stock, from 15/- per gram.
RADIUM SALTS TESTED AND CERTIFIED.

F. HARRISON GLEW, THE RADIUM LABORATORY
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Pyramid Corks

PYRAMID TRADE MARK

Named after the ancient pyramids because of their dependable qualities, and if you look for the trade mark and see always that you get "Pyramid" Corks, your troubles are abolished. *Get some to-day.*

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The Cork Firm, Limehouse, London, E14

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Vibrates through the photographic community at the sight of a new edition of the

'WELLCOME' PHOTO EXPOSURE RECORD AND DIARY.

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BURROUGHS WELLCOME & CO., LONDON

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THE BRITISH DRUG HOUSES LTD

TRADE MARK

Revised Prices for P.A.T.A. Lines

OWING to continued advances in the cost of production the selling prices of the following articles have been increased, as from Nov. 1st:

	Retail Price (P.A.T.A.)	Wholesale Price Per Dozen, NET
CARBONIC ACID BATHS	2/3	18/-
CARLSBAD SALT (SQUIRREL BRAND)	2/3	17/6
FROZEN FOAM, small	10½d.	7/3
large	1/3	10/6

THE BRITISH DRUG HOUSES, Ltd.

22-30, Graham Street, City Road, LONDON, N.1.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.
FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6*d.*; *Diary* 3*s.* 6*d.* post free. Postal orders and cheques should be crossed "Martin's Bank (Ltd.)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15*s.*, franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher
Head Office: 42 CANNON STREET, LONDON, E.C.4.
Telegrams: "Chemicus Cannon, London." Telephone Central 3617 (three lines).
Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, December 10.

Oldham Pharmaceutical Association, Café Monico, Union Street. Discussion of National Health Insurance dispensing.

Wednesday, December 11.

Industrial Reconstruction Council, Saddlers' Hall, 141 Cheapside, London, E.C., at 4.30 P.M. Sir William McCormick on "Science and Industry."

Birmingham Pharmaceutical Association, Grand Hotel. At 3 P.M., address by Mr. W. L. Currie, President of the Pharmaceutical Society; at 6.30, reception by Mr. H. O. Lloyd (President); 7.0, supper; 8.30, President's address; 9 P.M., musical entertainment. Supper tickets, 5*s.* each, from Mr. F. Smith, Hon. Secretary, 221 Soho Road, Birmingham.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Miss M. E. Buchanan, member of the Council of the Pharmaceutical Society, on "Democracy in Pharmacy: What it Entails."

Manchester Pharmaceutical Association, Chess Club Rooms, 65 Market Street, at 3 P.M. Professor R. B. Wild, M.D., and Mr. W. Kirkby, M.Sc., on "The Venereal Disease Act."

Leeds Chemists' Association. Address by Mr. W. S. Glyn-Jones, Secretary of the Pharmaceutical Society.

Thursday, December 12.

Harrogate Pharmaceutical Association. Address by Mr. F. G. Hines, member of the Council of the Pharmaceutical Society.

North London Pharmacists' Association, Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, W.C., at 3 P.M. Address by Mr. Councillor Hugo Wolff.

Salford Pharmaceutical Association, 40 The Crescent, at 8.15 P.M. Whist-drive; light refreshments.

Experiences of the Great War.

Contributions to this section are invited.

II.—With the Anglo-French Red Cross.

THE English hospital with the French Army to which the writer was attached was sent out by a London Committee early in 1915 to help with the French wounded at the time when, after meeting the first shock of the armies of the Central Powers, our Allies had driven them back to the lines which remained practically the same until the latter part of 1916. Owing to the possession of the pharmaceutical qualification the writer was asked to take charge of the pharmacy as well as the *x*-ray department, and, eventually, the lighting installation became also part of the work falling to his share, the result being a position that proved productive of much interesting work and profitable experience.

For the first six months we were located in a town in French Lorraine, which had been in German hands in 1870, and narrowly missed the same fate in 1914, the German Army being arrested within a few miles of it. Trenches made in 1870 were still to be seen in the vicinity, side by side with those prepared during the attack of 1914, and many of the older inhabitants had experienced the enemy occupation at the earlier period. The hospital was installed in a building that had been previously used as a hospital for medical cases, and which afforded excellent accommodation for the purpose, the staff being much more comfortably housed than they had expected to be. We were the first khaki-clad unit in this part of the war zone, and for that reason met with a very cordial reception from the inhabitants, the children particularly taking great interest in us, running up shyly to take hold of our hands or to grasp the corners of our tunics, and sometimes greeting us with cries of "Vive les Anglais!" or "Hip, Hip, Hurrah!"

The *x*-ray outfit consisted of a petrol motor generating-plant, the usual portable induction coil, a very simple but efficient couch with a travelling holder for the focus-tube underneath, and the other necessary paraphernalia of such an installation. The unpacking and fixing of this apparatus and the methodical arrangement of the pharmacy were very quickly carried out, and the work of attending to the wounded *poilus* was soon in full swing. It was our privilege at this time to be able to lend a helping hand to a neighbouring French hospital, which was not fortunate enough to possess an *x*-ray installation, a chance which was all the more welcome because it afforded an opportunity of working in immediate association with the surgeons of our Ally's army.

After a few months in this town we moved to a farm, which had been occupied during part of the battle of the Marne by an important section of the German command. The farmhouse was a modern one, and was surrounded by the usual outhouses and farm buildings, and it is interesting to note that during the German occupation the Staff officers resided in one of the cottages, reserving the more comfortable farmhouse to be used as a hospital for their wounded. Local report says that there was here a well-stocked cellar, and that when our Allies took possession of it the German staff of the hospital were not in a condition to escape. The surrounding country, which consisted of arable and pasture land scattered among dense and extensive woods, bore many signs of the great struggle that had passed over it. Houses that had been the homes of both rich and poor among the peace-loving inhabitants of the quiet and beautiful countryside were to be seen in a sadly broken condition. High explosives, incendiarism, and the terrible effects of modern warfare had played sad havoc among them. Here a house was to be seen with no roof at all, there a heap of charred ruins was all that remained of the home of the village priest. A mass of twisted steel and charred beams, mingled with broken masonry, marked the spot where once had stood a flour mill; and, passing along the village street, one noticed walls all more or less marked by rifle and machine-gun bullets; while here and there a farm, or, perhaps, a whole village, that had stood in some hotly contested corner of the battlefield, was completely destroyed. In the fields and woods were many trenches and shell-holes, and scattered everywhere, in the fields and meadows, in cottage gardens and by the wayside, were those pathetic little mounds, each surmounted by a wooden cross, that marked the last resting-place of some brave patriot who had given his life for his country. The trees particularly showed the effects of the bombardment to which they had been subjected. During the first autumn and winter numbers of the trunks of the more slender trees were broken down by the high winds, and many of the large branches of the forest trees were blown down, and an examination of the broken stem or branch nearly always showed that it had been

damaged by shell-fire. Some of the members of the staff found much interesting occupation for their spare time in trying to reconstruct the plan of the battle from the traces left by shell-fire in the woods and on the countryside. Just by the front door of the farmhouse we found the grave of a German officer, who was said to have been a personal friend of one of the German High Command whose name has been often associated with some of the worst features of enemy methods.

The amount of work under such conditions varied considerably. At times, during a burst of activity on a neighbouring Front, the staff were obliged to work at very high pressure, whereas there were sometimes periods of comparative calm, when cases were few and far between; but it was always necessary to be ready for any call that might be made upon us. Each patient on admission was injected with anti-tetanus serum, and it was probably owing to this precaution that the death-rate from lockjaw was extremely light; very few patients developed symptoms of tetanus, and of those who did so several recovered. An interesting phase of *x*-ray work was the sidelight that it gave on the progress of war methods. Thus in the early days of the war it was a common occurrence to find fragments of tin and pieces of wire in the wounds, their origin being the primitive form of hand grenade made from old tins filled with explosive and bound with wire. After the appearance of the factory-made bomb these bits of wire became very rare, although the wounds made by the more modern weapon were quite as troublesome as those made by the old-fashioned one. Among the projectiles we were called upon to localise rifle bullets were comparatively rare, the reason, most likely, being that owing to their small size and high velocity these bullets usually passed through the parts they hit—a supposition that is to some extent confirmed by the fact that the greater number of such bullets as remained in the wounds, and therefore had to be localised by the *x*-rays, were found with their points towards the wound of entrance, having evidently entered backwards, probably owing to their having previously struck something else, from which they had ricocheted on to the man they wounded. During the severe fighting in 1916 a patient was brought to us suffering from a compound fracture of the humerus, and while on the *x*-ray couch he told us that he had a bullet in his body, and that it had been there for ten months. An examination of the part of his body indicated with the fluorescent screen showed this bullet very clearly, moving with the beating of his heart, so that it must have been a very narrow escape for him at the time he was wounded. He did not appear to have suffered any inconvenience from it since the wound by which it entered had healed.

The pharmacy and the *x*-ray apparatus were both in tents, and as we were far removed from any source of skilled mechanical assistance, it was necessary to do all our repairs ourselves and to rely upon our own resourcefulness for overcoming any difficulty that might arise in the course of the work. It would be very difficult to imagine any more useful experience for training one to be self-reliant and independent of outside help than this constant demand for some form of applied originality that was constantly with us in the work. The motor and dynamo, the induction coil and its interrupter, the mechanism of the couch for the examination of patients, and the mathematics of the localising appliances, all needed continual thought and attention; while the structural arrangements of the tents in which we worked, which had to be kept warm in winter and as cool as possible in summer, and always waterproof, and the one in which we worked the *x*-rays capable of being completely darkened on the brightest summer day, afforded a glorious scope for such ingenuity as one could bring to bear upon them. In this particular we were by no means singular. During the whole period of the war such things have been going on continually all over Europe; and, in spite of all its evils and the terrible misery that it has produced, this war has been a marvellous training-ground for many thousands of men and women; and when those who have been willing to learn its lessons return to civilian life they will make such citizens as could never have been produced in the orthodox life of peace times.—*J. G. Everett.*

DUTCH CHEMICALS.—A company has been formed in Holland for the manufacture of sulphuric acid and other chemical products, with a capital of 6,000,000fl., of which 1,500,000fl. has been called up.

COPPER SULPHATE IN HOLLAND.—It is forbidden to deliver or transport sulphate of copper in any shape or form in Holland. The prohibition extends to Burgundy mixture and Bordeaux mixture, as also to powder used in the preparation of either.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Petrol and Petroleum Prices.

The Board of Trade, under the Petroleum Products (Wholesale Prices) No. 4 Order, 1918, has fixed the following wholesale prices, to have effect from 1st inst.:

Spirit, in cans, per gal.—Aviation, 3*s.* 5½*d.*: special boiling-points, 3*s.* 3*d.*; No. 1, 3*s* 2*d.*; No. 2, 3*s.* 1*d.*; No. 3, 3*s.* For delivery to commercial consumers (not for resale) in steel barrels, 1*d.* per gal. less than can price, and for delivery in bulk to commercial consumers (not for resale), 1½*d.* per gal. less than can price. One penny per gal. to be added to all above prices when sold for delivery in Scotland or Ireland.

Kerosene, per gal.—Long-time burning oil in bulk, 1*s.* 7*d.*; No. 1, 1*s.* 7*d.*; No. 2, 1*s.* 6*d.* For delivery in barrels ex wharf, 2¼*d.* per gal. additional. One penny per gal. to be added to all above prices when sold for delivery in Scotland or Ireland.

Raw white spirit as imported ungraded and unrefined, sold by the Pool Board to manufacturers for distribution in accordance with licences issued by the Ministry of Munitions, per gal., 2*s.* 5*d.*

Gas oil, per gal.—In bulk ex wharf, 1*s.* 4*d.* For delivery in barrels ex wharf, 3¾*d.* per gal. additional.

Fuel oil, per ton—In bulk ex wharf, 14*l.* For delivery in barrels ex wharf, 3¾*d.* per gal. additional.

Birmingham.

The estate of the late Dr. Robert Saundby, who died recently (*C. & D.*, September 7, p. 39), is valued at 5,608*l.*

It has been suggested that there is an opening for a pharmacy at Longbridge. Possibly one is already arranged for.

Hedges (Chemists), Ltd., have a whole-page advertisement in the current issue of the "Mermaid," a University publication.

Current advertisements in the local Press invite purchasers of tooth-brushes to forward sums varying from 1*s.* 9*d.* to 2*s.* 6*d.* for a sample.

Objection is being made to the choice of Wednesday for chemists' meetings, on the ground that it is the only day on which chemists can get into the country and shake off their trammels.

A conference of medical men is being called by the Lord Mayor to inquire into the influenza epidemic. It is not known whether among those summoned to consultation there will be any bacteriologists or pharmacists.

Among recent charitable gifts are one of 250*l.* from Alfred Bird & Sons, Ltd., to the Birmingham General Hospital, and one of 2*l.* 2*s.* from Alderman Clayton, Ph.C., to the "Birmingham Daily Mail" Christmas-tree fund.

On the agenda of a meeting of the local Section of the Institute of Chemistry held on December 2 was a resolution urging the Institute "to use its influence with the Government and other employers to obtain adequate recognition and remuneration for chemists in their employ."

Leicester.

The Leicester Guardians decided, at a recent meeting, to grant a lady dispenser an additional 10*s.* a week, with dinner and tea daily. As the lady had begun learning dispensing only two months previously, when she took up the appointment, and as pressure of work had since prevented the medical man in charge from giving her much instruction, the full Committee of the Board had declined to sanction the proposal. The mental confusion prevailing as to the connotation of the term "qualified" was dispelled by Mr. E. A. Fry, chemist and druggist, a member of the Board, who indulged in a little mild chaff over the sudden access of admiration for the status of dispenser.

Liverpool.

Glycerin is obtainable, but the shortage of sugar continues.

Steps towards the revival of Christmas window-shows are already discernible.

Mr. Robert Herman, chemist and druggist, has been appointed to fill a vacant seat on the Liverpool Watch Committee.

Miss Buchanan is to be entertained at dinner by the Council of the Liverpool Chemists' Association on her visit on December 11.

Mr. H. C. Meyrick, Ph.C. (Ireland), who was referred to in this column last week, is also a chemist and druggist of Great Britain, having passed the Minor last year. Mr. Meyrick is also an assistant of the Apothecaries' Hall of Ireland.

Owing to the co-existence of Irish Nationalists and Orangemen in one long thoroughfare, a pharmacist in the actional area is wont to keep on his counter both a green and an orange-coloured bottle of smelling-salts, "pro bono publico."

Some pharmacists have been heavily penalised of late by being called upon, at the expiration of leases, to buy premises at war prices, or to submit to eviction after sales over their heads. As others are threatened, it will interest them to know that a tenants' defence league is mooted.

En route from London to Liverpool, recently, a pharmacist went through his daily nasal drill. A fellow-passenger, suspecting influenza, dashed down the window. Explanations followed, and the alarmist has since written for a ample bottle of the preventive. Sweet are the uses of advertisement!

The business of Mr. Harold Lomax, The Jubilee Pharmacy, 43 Edge Lane, Liverpool, and that of R. H. Taylor, Ltd., 133 Kirkdale Road, Everton Valley, have been "merged" into one concern under the style of Harold Lomax, Ltd. The two businesses will be carried on as hitherto, with the registered office at 39 Jubilee Drive, Kensington.

Manchester.

Symptoms of poisoning in numerous cases locally have led to an investigation by Professor Delepine, of the Manchester University, who is reported in the lay Press to have discovered the presence of arsenic. It is stated that the sale of a self-raising flour has been stopped, and that the sufferers are progressing favourably.

Nottingham.

Pharmacists here speak very highly of the services rendered during the war by lady assistants, who have worked willingly and in most cases efficiently. Only one criticism is generally passed with regard to them—that their ambition to carve out a career for themselves does not appear to be very strong.

Trade still continues here to be as brisk as ever, and many chemists are utterly weary of having to tell customers they are "out of stock." Despite the prospect of extra allowances of sugar, there is no falling-off in the demand for saccharin, and it is impossible to keep pace with the public appetite for this article.

Although men from the Forces are not yet released, over a hundred are expected to return to their peaceful pursuits in local chemical-factories or pharmacies soon. As some of them are engaged in comparatively trifling work while in uniform, they will welcome the opportunity of resuming their civilian occupations.

In recognition of the services rendered by managers and others employed at their shops, Boots, Ltd., have announced their intention to make monetary gifts as an acknowledgment to those concerned. These will be paid at Christmas. The statement of the firm's intention is accompanied by an expression of appreciation by Sir Jesse Boot.

Boots, Ltd., have shown their sympathy with the objects of the Pharmaceutical Society's War Benevolent Fund by giving 3,000*l.* towards it. This sum is based on an average of 5*l.* each for 600 shops. At the same time, employés are urged to augment the total by subscriptions of their own. As the company have made special provision for the men associated with them before the war, it is not anticipated that any of the money raised by the fund will go to such men.

Sheffield.

The influenza epidemic is decreasing, the death-rate having fallen in three weeks from 86.2 to 40.

An early display of Christmas goods is appearing in the central shops. This is no doubt a wise proceeding, as we learn that there is already a great fall in the sales of luxury articles in drapers' establishments.

A strong feeling prevails among panel chemists concerning a letter received from the Insurance Committee. The letter is to the effect that prescriptions signed by a doctor acting as *locum tenens*, but not stating the principal's name, will not be paid for. Chemists feel that the loss should fall upon the doctor, not upon them. The Pharmaceutical Committee is approaching the Insurance Committee on the matter.

Miscellaneous.

SHOP-WINDOW LIGHTING.—That part of the Lighting, Heating, and Power Order, 1918, which prohibits the illumination of shop-windows will be suspended from December 9 until further notice.

THE DRUG CLUB.—At a meeting held at the Cannon Street Hotel, London, on December 4, the following officers were appointed: *President*, Mr. R. M. Harvey; *Vice-President*, Mr. H. C. Wright. Mr. T. E. Lescher was appointed *Acting Hon. Secretary.*

BRANDY IN ILLNESS.—Having considered the difficulty of procuring brandy in cases of illness, the Deptford Food Committee has suggested to the Ministry of Food that it should be released to chemists and druggists for sale on the production of a medical certificate.

SALE OF FOOD AND DRUGS ACTS.—At Rushall, on December 2, Mr. John Henry Whitehead, chemist and druggist, Walsall Wood, was summoned for selling camphorated oil containing mineral oil. The defence was a plea of inadvertence. A fine of 5*l.* was imposed.

FIRE.—A serious fire occurred on December 3 at the factory of Mr. George W. Harrison, manufacturing chemist, Reading. The machinery department was entirely destroyed, but it is understood that it will be in working order again within a month. Mr. Harrison will be glad if in the meantime the trade will limit their orders to their immediate requirements. The damage done is estimated at about 10,000*l.*

THE SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY is inviting applications for a limited number of fellowships, ranging in value between 250*l.* and 300*l.* a year, to be awarded for post-graduate study in the methods of chemical research, or in any branch of chemistry bearing on industry, including chemical engineering, to young chemists who have completed a degree course at a recognised college or university, and whose training has been interrupted by naval, military, or national service. Applications should be sent to the Director of the Institute, at Salters' Hall.

POISONING.—An inquest was held at York County Hospital, on November 26, on the body of a child named Dale, aged four. Mr. George Edward Walker, chemist and druggist, York Dispensary, gave evidence as to dispensing a prescription for morphine pills for the child's mother. There was a quarter of a grain of morphine in each pill. It was not usual when sending such pills to mark on the box the word "poison." The Coroner: "Is it not necessary to do so under the Act?" Witness: "That is necessary for the sale of them over the counter, but not for a doctor's prescription." Further evidence having elucidated the circumstances of the child's possession of the box, a "Misadventure" verdict was returned.

LABORATORY GLASSWARE.—An appeal has been made to the Inter-Departmental Glass Trade Committee, giving reasons why the key-industry of chemical glassware should be protected from competition for ten years to enable it to be established on a firm basis. The appeal, made on behalf of the British Chemical Ware Manufacturers' Association, the British Flint Glass Manufacturers' Association, the British Lamp-blown Scientific Glassware Manufacturers' Association, and the British Laboratory Ware Association, shows that war conditions have prevented such progress being made in the resuscitated industries as would place them in a position to resist outside competition. It is also suggested that Government assistance should be given towards the provision of new buildings and plant in approved cases, and that Government Departments and State-aided establishments should be required to purchase glassware of British manufacture.

IN THE COURTS.—At the Thames Police Court, London, on November 26, Leah Myers, Marcus Woolf Cohen, and Jack Bell were charged with various offences in connection with the injection of a liquid into a soldier in order to produce the appearance of diabetes. Myers and Cohen had already been before the Court (*C. & D.*, November 30, p. 35). Dr. James Searson, Welbeck Street, W., stated in evidence that the result of his examination of the soldier (a Russian) satisfied him that the man might be suffering from diabetes. Other evidence having been given, the case was adjourned. A further hearing and adjournment took place on December 3.—At Bolton Borough Court, recently, a herbalist was convicted under the Venereal Disease Act, 1917, of treating a discharged soldier, and was fined 25*l.*, or in default fifty-one days' imprisonment.—At Marlborough Street Police Court, London, on December 4, William Henry Gordon, Pall Mall, described as an analytical chemist, L.P.S.I., and M.P.S., was remanded on bail on a charge brought under the Venereal Disease Act, 1917, of prescribing for reward certain remedies for venereal disease, and giving advice in connection with the treatment of the disease.—At Lambeth Police Court, London, on December 4, Minnie Goodwin, who was charged with stealing three bottles of lung-syrup, value 3*s.*, the property of her employers, P. H. Galloway, Ltd., manufacturing chemists, Walworth Road, S.E., and whose income was said to be 3*l.* 9*s.* a week, was bound over.

Irish News.

Pharmaceutical Society of Ireland.

The following are the latest dates for lodging applications for the January examinations: Thursday, December 19, for Preliminary examination; Tuesday, December 24, for Pharmaceutical Licence examination; Monday, December 30, for Pharmaceutical Assistant examination; Tuesday, December 31, for Registered Druggist examination.

Assistants' Wage Award.

The recent movement of Dublin assistants in regard to an increase in wages was submitted to arbitrators, who have now made an award. Sir Thos. W. Robinson and Mr. W. Hopkins Ashmore, acting for the Dublin Retail Chemists' Association, and Mr. Edward Owens, on behalf of the National Union of Shop Assistants, agreed to abide by the decision of the arbitrators. The application made on October 5 was for an increase of wages, the adoption of a minimum scale of wages, and establishment of certain conditions of employment. The award, which followed the conference of the various parties on November 28, is as follows:

MINIMUM SCALE OF WAGES.

(A) *For Unqualified Assistants:*

	Men	Women
1st year after apprenticeship, per week	37*s.* 6*d.*	30*s.*
2nd year	42*s.* 6*d.*	35*s.*
Afterwards	52*s.* 6*d.*	42*s.* 6*d.*

(B) *Qualified Assistants:*

5*s.* per week in addition to above rates for both men and women.

(C) *Qualified Chemists:*

	Men	Women
After three years' experience following apprenticeship	75*s.*	60*s.*

The scale of wages is to take effect from October 5, 1918. Any employé who at that date was in receipt of within 5*s.* per week of the above minimum scale, or whose wages exceeded this scale, to be paid an additional 5*s.* per week from that date. Further stipulations in the award are: 5*s.* per week additional for attending to night-bell (duty to begin at 11 P.M. and to continue until opening time the following morning). Men to be paid at the rate of time and a quarter when the hours of employment per week exceed fifty-two; the same rate for women when the week exceeds forty-six hours. The payment for Bank holidays is to be two days' wages or a full day's leave within a week, at the option of the employer. An annual holiday of two weeks at full pay is to be granted after one year's service with an employer. Wages are to be paid weekly after the first week in January. In regard to apprentices, the four years is to be served with one firm, and not more than two apprentices to be allowed to one qualified chemist, or as an alternative, at the option of the employer, two apprentices to every three assistants. Provision is made that all future engagements are to be subject to the terms and conditions recited, and the award is to hold good until after three months' notice of withdrawal from either of the parties.

Brevities.

Sir Stanley Harrington has been appointed a member of the Advisory Council to the Viceroy in connection with the Government of Ireland.

The chemists and druggists of Belfast have sent a further 190*l.* to the Business Men's Committee of the Ulster Women's Gift Fund for prisoners of war, making a total of 390*l.* Mr. James Tate, Ph.C., was convener of the retail section, and Mr. W. McMullan of the wholesale drug-trade, manufacturing chemists, and drysalters of the city, who have forwarded 251*l.* 15*s.* to the Fund.

A number of the members, representing the Magherafelt Board of Guardians and Rural District Council, waited upon Mr. James E. O'Neill, J.P., druggist, Chairman of the Magherafelt Board of Guardians, at his residence, Maghera, on November 27, for the purpose of presenting an address to Mr. O'Neill, and a gift to Mrs. O'Neill on the occasion of their marriage. The visitors were entertained to a luncheon by Mr. and Mrs. O'Neill, after which the presentation took place.

At Londonderry Police Court last week, a number of pharmaceutical chemists were prosecuted for a breach of the Early Closing Order, made under the Defence of the Realm Act. District Inspector Ryan mentioned that representations had been made to the Viceroy to the effect that the enforcement of the Order would be a cause of great hardships in the case of chemists. He suggested that the summonses be adjourned pending his Excellency's decision. The Magistrates adjourned the cases till December 9.

Further evidence was heard at Belfast Police Court, on November 27 and 28, in the case of which Nathaniel Osborne McConnell, proprietor of the Medical Hall, 113 North Street, is charged with the murder of Mary Jane Reid, aged twenty-six. Police-Inspector Ross gave evidence as to visiting the prisoner's surgery, where he took possession of a number of surgical instruments, medicines, and documents. Professor W. St. Clair Symmers said the post-mortem showed that death was due to peritonitis, following a perforation caused by the action of some blunt instrument not more than two days before death. Davis S. Thompson, assistant at the Medical Hall, was examined in regard to quantities of liquid extract of ergot kept on the premises which he himself did not use or dispose of, and to which no one had access except the doctor. The accused was remanded until December 7 for the attendance of an analyst from Dublin.

The North Monaghan Coroner opened an inquest on November 27 on the bodies of two brothers named Patrick and James Quigley, Kinturk, Newbliss, whose deaths took place within eight hours of each other on the previous Friday, and in connection with which rumours went abroad as to the quality of powders alleged to have been given the deceased. Among the witnesses was Mr. James Joseph Kerr, Ph.C., Ulster Medical Hall, Clones. He said he prepared the powders according to the prescription from Dr. Tierney. The powders contained absolutely no poison whatever. He had compounded many thousands of those powders during the past few weeks, and never heard any complaint. There could be no grounds for any allegation. Dr. E. B. Tierney, J.P., stated he was rather reluctant to say what was the cause of death in Patrick's case, but was inclined to attribute death to syncope brought on by influenza and accelerated by excessive stimulant in the stomach, or excessive fluid. He had known Mr. Kerr, the chemist, to have prescribed in many thousands of such cases, all having good results, except where complication followed from neglect.

The influenza epidemic continues to show a very severe strain on chemists in Belfast whose staffs have in many cases been seriously depleted. Quite a number of local pharmacists are at present in the grip of the disease, including Messrs. J. McLaughlin, Old Park Road, S. F. Cleland, Antrim Road, and H. A. Moore, Royal Avenue, while two pharmacists have succumbed. Mr. Wm. John Pedlow, Ph.C., who passed away on November 27, had only assumed a few days previously the managership for J. A. & H. McRoberts, Ormeau Medical Hall, 71 Ormeau Road, Belfast. Mr. Pedlow had previously been with Robert Hastings, Newcastle, prior to which he was on the staff of Mr. J. P. Bowden, Bradbury Place, Belfast. He served his apprenticeship with Mr. Howe, Carrickfergus. Death was due to double pneumonia, following influenza. Mr. James E. Savage, Ph.C., Castlewellan, also succumbed after a short illness on November 26. Deceased, who was a native of Lisburn, set up for himself in Castlewellan nine months ago. He had previously been in business in Dublin.

Scottish News.

Edinburgh.

Male commercial travellers are beginning to visit freely once more.

The staff of T. & H. Smith, Ltd., Wheatfield Road, entertained a party of wounded soldiers to tea in Ardmillan Hall on November 30. Mr. Martin presided.

Lieutenant Alexander D. Millar, M.C., chemist and druggist, has telegraphed home that he has arrived in the city of Nancy, feeling fit and well. Lieutenant Millar appears to have travelled about 130 miles from his last known address in Germany.

The Scottish Society for promoting the objects of The Hague International Opium Convention has passed a resolution expressing thankfulness for Government regulations made under the Defence of the Realm Act respecting opium, morphine, and cocaine, and urging the putting in operation of The Hague Convention provisions.

A fine of 6*l.*, including 1*l.* expenses, was imposed in Edinburgh Sheriff Court on November 29 upon Mr. Alexander Martin, chemist and druggist, 132 Nicolson Street, who pleaded guilty to having, on September 29, sold a quantity of tincture of opium to a purchaser who was unknown to him, and without entering the date, the name, and the address of the purchaser in a book to be kept for that purpose.

Legal Reports.

B.M.A. Conspiracy.—The Council of the British Medical Association has now decided not to appeal against the judgment of Mr. Justice McCardie, who convicted the Association of conspiracy to injure and to libel and slander four Coventry doctors (*C. & D.*, October 19, p. 37).

Contaminated Epsom Salts.—At Kingston on November 28, Windemer, Ltd., chemists, Surbiton, and Mr. James William Bayne, chemist and druggist, their manager, were summoned for selling Epsom salts which, on analysis, were found to contain chlorides and iron in excess of the amounts indicated in the British Pharmacopœia. It was urged for the prosecution that, as there was no standard for Epsom salts, the Bench should accept that of the British Pharmacopœia. A fine of 10*l.* was imposed, the Magistrates agreeing to state a case.—At Nantwich on November 25, Mr. Harold Shaw Young, chemist and druggist, High Street, was summoned for selling Epsom salts contaminated with arsenic to the extent of 16 parts per million. It was explained, for the defence, that Mr. Young had bought two consignments of the salts, and that both were guaranteed to be in accordance with the British Pharmacopœia. The two lots had subsequently been mixed. Mr. Young having given evidence to this effect, the case was dismissed.—At Romford on November 28, Lipton, Ltd., grocers, were summoned for selling Epsom salts containing 20 parts of arsenic per million. Evidence having been given, it was stated for the defence that the salts had been withdrawn from sale by Lipton, Ltd., who had received a guarantee from the manufacturers and were surprised at the prosecution. The case was dismissed on payment of 25*s.* costs.

Sale of Salicylic Acid.—In the King's Bench Division, on November 25, Mr. Justice Sankey heard the case of H. Batten & Co., Fenchurch Avenue, London, E.C., against R. Lane Hall & Co., Lloyd's Avenue, E.C. Mr. Moritz, for Batten & Co., said the matter came up on an award stated in the form of a special case by an arbitrator to deal with points of law arising. The matter here was in respect of the sale of salicylic acid, of which his clients were the purchasers. The arbitrator had found in their favour damages for non-delivery. In June last year, by a contract, the respondents, R. Lane Hall & Co., sold to Batten & Co. one ton salicylic acid, B.P., ex works, price 4*s.* 6*d.* per lb., subject to any restriction being placed on it by the Government. The sellers had delivered no part of the acid, and the arbitrator had found that buyers were entitled to recover 196*l.* damages in respect of it. R. Lane Hall & Co. described themselves as manufacturers of the acid, but they acted as sole selling agents of the acid output of W. Everitt & Co., Ltd. The buyers originally approached Everitt & Co. for the acid, and they passed the buyers on to the present sellers, Lane Hall & Co. The contention on the other side was that buyers purchased under the contract one ton of acid of Everitt's manufacture, and that, owing to a variety of reasons, it was impossible to obtain the acid, and therefore they were excused from performance. That was the point in the case. The questions, counsel thought, were whether the respondents sold as merchants or brokers for Everitt & Co., and whether the contract related to salicylic acid, B.P., of any manufacture, or of Everitt's manufacture only. Mr. Compton Smith, for respondents, said it was clear that these people were contracting with reference to acid that was going to be produced by Everitt and no other. It was clear that these sellers, who were merchants, intentionally and to the knowledge of the buyers, put in the clause in the contract against possible breakdown of their machinery, an event which happened. His (counsel's) clients were to deliver in accordance with the contract contemplated—viz., acid from Everitt's. The award, however, was unsatisfactory owing to its ambiguity, and the arbitrator ought to be asked whether the interference which had taken place was substantial. His Lordship held that the arbitrator had found that the interference was not of such a substantial character as to entitle the sellers to suspend deliveries. That was the correct view, and as the award could not be impeached, he upheld the award, that the buyers were entitled to the amount found by the arbitrator. Stay of execution granted on the usual terms.

A CARGO OF DRUGS has already been landed at the Piræus by the American Red Cross Mission.

SUPPLIES FOR ITALY.—The Italian "Sole" reports that the Government has made arrangements for the supply of medicinal products from America. A quantity of quinine is shortly expected from England.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

MEDELINE MILES, LTD. (P.C.).—Capital 500*l.* Objects: To carry on business as artists, photographers, picture-dealers, frame-makers, chemists, etc. R.O., 45 Cranbrook Road, Ilford.

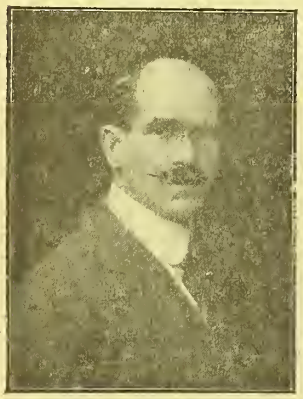
JOHN ELLIS & CO. (CHEMISTS), LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of wholesale and retail chemists, druggists, dental operators, etc. R.O., 10 Park Row, Leeds.

ANGLO-DUTCH PLANTATIONS OF JAVA.—At the ordinary general meeting, held at the Cannon Street Hotel, London, E.C., on November 29, the Hon. Charles Hedley Strutt, chairman, in moving the adoption of the annual report, said: "You will see in our report that we have explained to some extent why cinchona-bark fetched a lower price than in 1916. When we, together with other Java producers, made our contract five years ago with manufacturers of quinine, all the stocks not sold at the time were taken over by the Committee, representing manufacturers and producers, to be sold by them as opportunity might arise. The opportunity apparently did not arise till 1917, and the profit obtained, according to the contract entered into, has been divided among all the estates in the combine; consequently we suffered decreased profits on that portion of our sales. I suppose the explanation of all the estates sharing in the profit was owing to the opinion that the combine would be the cause of the rise in price, and that those who sold at the low price before the combine should not be prejudiced by others having stocks which might prevent the rise in price; apart from these sales, however, I was rather surprised to find that the price was lower than in 1916. Owing to the war there is a tremendous scarcity of quinine throughout the world, and I cannot understand why the price should have fallen. The combine came to an end in July this year. The English Government were not altogether satisfied with the British producers being tied up in an international group during the war, and they approached the English producers of cinchona in Java and requested that they should enter into a contract with the only British manufacturers—Messrs. Howards. The negotiations with the Government and Messrs. Howards gave me considerable anxiety. I was anxious that the Anglo-Dutch Co. should do nothing which should prejudice our soldiers, or those of our Allies, from obtaining all this useful medicine that they required, but at the same time I could not help having a fear that our refusal to join the combine again might have the effect of breaking it up altogether and leaving the market in the chaotic and hopeless condition it was in before the combine was formed. I was also anxious that the Anglo-Dutch shareholders should not have a less price in any way than what the combine, if formed, would give to their participators. We formed a Committee of English Producers in Java, and, after long discussions and many interviews, we have at last signed a contract with Messrs. Howards, which I hope will be satisfactory to all parties. I relate these proceedings at some length because I have had a great deal of responsibility in carrying out the negotiations (not without, however, the cordial help of directors of the other companies interested), as our company produces two-thirds of the whole quantity under English control. I must say that I hope in future our Government will realise, after these negotiations, that an English company working in Java deserves some recognition and support, and should not be treated as foreign on every other question except that of taxation. (Hear, hear.) You will notice that nearly all cinchona is planted on one estate—Tjiatter—but we have opened a new area on very high and steep ground, but rich soil, at Gegersoenten. We are going, moreover, to open out on a large scale, to enable us to supply the wants of England and India. When I was in Java at the commencement of 1917 I was rather against extending the planting of cinchona to any great extent, because I thought that the higher price might induce other growers to do the same, and the market might be swamped with too great a quantity. I do not feel even now that we are absolutely safe on this point, but Mr. Hammond believes that the acreage in Java suitable for cinchona-growing is small, and over a large proportion of that acreage the Government are preventing the felling of the jungle owing to the need of preserving the water-supply for the rice-fields below. We shall accordingly go ahead, especially as we have now the able assistance of Mr. Valette, in opening out new estates."

Parliamentary Election.

CONGRATULATIONS from the drug-trade will be cordially extended to Sir Richard Winfrey, Ph.C., who has been returned unopposed for South-West Norfolk, and to Mr. W. J. Uglow Woolcock, Ph.C., who has become member of Parliament for Central Hackney, there being no opposition to his return. We regret to hear that Mr. Woolcock has had a breakdown in health owing to the strenuous work he has undertaken within the past few years, but we hope that he will soon be restored to his usual health.

We have referred (*C. & D.*, November 23, p. 39, and November 30, p. 39) to the candidature of Mr. William Shadforth, Ph.C., for North-East Bethnal Green, in opposition to Sir Edwin Cornwall, Chairman of the National Health Insurance Commission. Mr. Shadforth was born in Durham in 1869, and was apprenticed to Scawin & Burn in that city in 1884. At the expiration of his five years' apprenticeship Mr. Shadforth studied for an arts degree for the University of London and at New College, London. After obtaining a degree in philology he became a missionary in China for the London Missionary Society, then returned to England, and for some time devoted himself to literary work. Finally he returned to the drug-trade, passing the Minor in 1900 and the Major in 1901, and served as assistant and branch manager with Proctor, Son & Clague, Newcastle, and Parke's Drug Stores, Ltd., London. In 1904 he settled at Bethnal Green, and developed his business of non-secret medicines, the formulæ being published broadcast. He has no patent-medicine licence, and holds strongly the view that chemists should discourage the sale of patent medicines. Mr. Shadforth has been a Councillor of the Bethnal Green Borough Council for the last five years, and is well known locally for his progressive ideas. He is standing as a "health candidate" and prosecuting a very vigorous canvass in the district. He is doing this with extra enthusiasm, as he believes that Sir Edwin Cornwall has betrayed the public interests in not protesting against the monopoly conferred on medical men by the Venereal Disease Act. Mr. Shadforth is a very vigorous speaker, and generally carries his audience by reason of his obvious sincerity.



MR. W. SHADFORTH, PH.C.

Among the candidates at the forthcoming General Election the following are connected with the chemical- and drug-trades: Sir Richard Cooper is a National Party candidate, and represented Walsall in the last Parliament. He takes a special interest in trade subjects such as patents and trade-marks. He is well known to chemists from the business he owns of Wm. Cooper & Nephews, Berkhampstead, sheep-dip manufacturers, and because of the fact that he owns the firm that sells British Odol. Mr. J. F. L. Brunner, the member for Northwich, is opposed by a National Democratic Party candidate. Sir Alfred Mond (Coalition Liberal and member for West Swansea) is opposed by a Unionist candidate. Sir William Pearce (Spencer, Chapman & Messel, Ltd.), the member for the Limehouse Division, is a Coalition Liberal, and will be opposed by Labour and National Party candidates. Mr. W. C. Anderson, who early in life was a chemist's assistant, and was the member for the Attercliffe Division of Sheffield, is again to contest the seat in the interests of the Independent Labour Party. In 1917, in answer to a question in the House of Commons, he obtained from the Minister of Food a statement that, notwithstanding the Order to the contrary, chemists might employ starch in the manufacture of pharmaceutical preparations such as compound liquorice-powder. He is opposed by Unionist and Liberal candidates. Sir L. Worthington Evans, the member for Colchester, stands as a Coalition Unionist, and is opposed by a Labour candidate. Mr. J. W. Wilson (Albright & Wilson, Ltd., Oldbury), member for Stourbridge, is standing as a Coalition Liberal. He is opposed by Mr. Victor Fisher (National Democratic Party) and Miss Mary Macarthur (Labour). Mr. Alfred Bird (Alfred Bird & Sons, Ltd.) has been nominated for West Wolverhampton. He stands as a Coalition Unionist, and is opposed by a Labour candidate. Sir E. Brotherton (Brotherton & Co., Ltd.), Leeds, is the Coalition candidate for Wakefield. Colonel Grant Morden, Chairman of the British Cellulose and Chemical Manufacturing Co., is running for the new Brentford and Chiswick Division of Middlesex. Dr. Addison, Minister of Reconstruction, is contesting the new Shoreditch Division as a Coalition Liberal. He has three opponents—Mr. H. G. Chancellor (Liberal), Mr. T. Warwick (National Party), and Mr. R. Sievier (Unionist). Mr. Wilfred Hill, of the County Chemical Co., Bradford Street, Birmingham, who is a candidate for the Moseley Division of Birmingham, was early in life a chemist's assistant. His election address devotes special attention to the claims of retailers. He states:

> Within the past twenty years, the shopkeeper, in trade after trade, has watched with anxious care the multiple shop, with its aggregation of public money, enter his town and commence ruthless competition, which ultimately robs him of his livelihood. The chemists' case is, perhaps, the most pathetic; but in many trades there is unnecessary anxiety and hardship because of the growth of large monied corporations whose policy is deliberate attack upon the old-established shopkeeper, and whose superior money-power the one-man business cannot possibly withstand.

Personalities.

MR. S. NORMAN PICKARD, pharmacist, Ossett, was on December 2 installed as Worshipful Master of St. John's Lodge, No. 827, Dewsbury.

MR. THOMAS LEWIS, chemist and druggist (Evans & Lewis, Newport, Mon.), was attacked by influenza over a month ago, and is still confined to his house.

CORPORAL G. WILLEY, who prior to joining the Army was an apprentice with W. Foggitt & Son, chemists, Thirsk, has been awarded the Military Medal.

AN ARTICLE by Mr. T. R. Perkins, chemist and druggist, Henley-in-Arden, appears in the current number of "The Railway Magazine," the subject being the Mawddwy Railway. The article, which is illustrated, describes a remote and curious line in an attractive style.

MR. GEORGE P. FORRESTER, who acted as *C. & D.* correspondent in Germany before the war, and who has been interned at Ruhleben since November 1914, has arrived in this country. Considering the experiences he has gone through, he is in surprisingly good health.

SERGEANT GEORGE HOULKER, R.E., has been awarded the Military Medal. Prior to his enlistment in 1914 Sergeant Houlker served his apprenticeship to Mr. W. Thornber, chemist and druggist, Accrington, and was for some time with Boots, Ltd., at a Manchester branch.

MRS. WATSON WILL, who is well known to many chemists who passed through the Metropolitan College of Pharmacy when it was carried on by her late husband, is in a surgical home in London. A serious operation is to be undertaken by Sir James Cantlie. We trust that Mrs. Watson Will will make a quick recovery.

WOR. BRO. W. MASKEW, Ph.C., was on November 27 invested at the Mark Masons Hall, London, by the Deputy Grand Master (the Right Hon. T. F. Halsey) with the collar of office as Sword Bearer in the Prov. Grand Lodge of Mark Master Masons (Herts). Bro. Maskew is a P.M. of the St. Osyth's Priory Lodge, Essex, a member of the "Arnold" Lodge, P.S. in the Hertford Royal Arch Chapter, and M.O. in the Hertford Mark Lodge.

MR. F. R. ELLIS, F.C.S., chemist and druggist, Charlwood Street, London, S.W., desires to thank his many friends for their letters of sympathy on the death of his wife. Mrs. Ellis was a very active worker in the Alexandra Rose cause, and by a coincidence their little son, Claude Frederic, was born this year on June 19, Alexandra Rose Day. Her Majesty Queen Alexandra, on being informed of this and of the death of Mrs. Ellis, has sent a letter of sympathy to Mr. Ellis.

IN REFERENCE to the scheme for entertaining overseas troops during Christmas (*C. & D.*, November 30, p. 38), Mr. F. R. L. Newbery (Francis Newbery & Sons, Ltd., 27 and 28 Charterhouse Square, London, E.C.), who is the drug-trade representative on the London Rotary Club, which is carrying out the plan, sends us additional information. A circular will be sent to any person who can offer hospitality to soldiers, which sums up the duty of a host as "To do for his guest exactly what he would like the father of that guest to do for his son were the positions reversed."

General Medical Council.

PENAL CASES.

THE consideration of the charge against Isaac Bernard Barclay, M.R.C.S., L.R.C.P., Fairfield, Llanelly, as stated last week (p. 36), began on November 27. The Tuberculosis Committee of the Derbyshire County Council, represented by their Clerk, Mr. Skinner, brought the complaint that, in order to obtain the appointment of tuberculosis officer, Dr. Barclay had made false statements. In his form of application he had said that he had held, among seven appointments, those of house physician, Leeds General Infirmary, and clinical assistant, Liverpool Chest Hospital. He had also falsely inserted the date in a testimonial, making it appear that he had held the appointment of resident medical officer of the Winsley Sanatorium two years, whereas he had been there only two months. The inaccuracies were first brought to notice by the discovery that Dr. Barclay's name was not in the Register. He was asked to explain and to bring the original testimonials. It seems that Dr. Barclay had changed his name from Bernstein—"a detestably German name," the Committee declared. The inaccuracies mentioned being further discovered, he was asked to resign immediately, which he did without protest, and the Committee put the matter in the hands of the Council. The county medical officer of Derbyshire, Dr. Barwell, substantiated the complaints. Dr. Barclay's counsel drew attention to the brilliant career of the young doctor, and pointed out that he served as voluntary clinical assistant for the purpose of obtaining experience in his post-graduate studies, and therefore his name would not be included in the staff of the hospitals mentioned. The date on the testimonial was filled in wrongly, in a great hurry, through sheer carelessness, and was a genuine mistake. The defence dragged on very slowly, and Dr. Barclay was only in the middle of his examination by his counsel when six o'clock came. The Council continued for some time further and then adjourned till Thursday. The President (strangers having been re-admitted) announced that Mr. Barclay had been found guilty of the charges made against him, but that the Council suspended judgment for one year. In the meantime evidence of his character and conduct, "particularly in respect of truthfulness," will have to be produced.

The next case—that of Stanley Henry, M.B., Ch.B., the charge being that he was drunk while acting as *locum tenens* for Dr. Edwards, of Sawston, Cambridge, and attending to his patients—attracted much attention, the gallery being crowded with strangers. Eminent counsel were retained by both doctors, and called numerous witnesses to prove on the one hand that Mr. Henry was incapacitated from carrying out his professional duties, and on the other that he was always sober and attentive to the patients. The examination of these witnesses from Sawston occupied most of Thursday. On Friday the Council met at 11 A.M., when Mr. Henry was examined and cross-examined. Although the case occupied a long time, about four hours, the Council took scarcely more than the same number of minutes *in camera* to arrive at the decision that the facts alleged had not been proved, and the case would be dismissed. The verdict was received with applause from the gallery, which was instantly suppressed.

The case, adjourned from last November, of John Stanley Francis, L.D.S., R.C.S., was dealt with very shortly, the Dental Committee having already found the facts. He had been convicted of assault and drunkenness, and his name had dropped out of the Dentists Register as his whereabouts was not known. Mr. Francis did not appear on account of his duties as school dentist for the county of Montgomery, but he sent in satisfactory testimonials, and the case against him was dismissed.

The whole of the remainder of the day from 12.30 was occupied with the consideration of the charges made against Jules Michael Ralph Flament, M.D., of Spencer Street, Carlisle, by the Ministry of Munitions. The doctor had, it was set forth, given to one Antonio Coia (who was present in hospital blue), for the purpose of enabling him to avoid service in the Italian Army, a certificate which was untrue. Mr. Tindal Atkinson, K.C., on whom the conduct of the case devolved, stated that Coia, who was a chef, and the doctor went together to Newcastle in February 1916, and the latter wrote a certificate in the refreshment-room of the railway station, testifying to a number of complaints Coia was suffering from; whereas the latter had never had a day's illness, and the doctor had never attended him since he had tonsils removed nine years ago. The man was not then called up, but later he was passed A1, and served in the Manchester Regiment. The facts might never have leaked out, and did not till in 1918 the doctor sued Coia for 3*l.* 3*s.* for the certificate, and the latter consulted a solicitor. There had been no criminal prosecution because the Defence of the Realm Act, which made such a certificate punishable, had not then come into force. The second part of the charge was: knowing that a young woman was desirous of procuring her own miscarriage, he supplied her with certain pills, at a cost of 2*l.*, which he said were adapted for the purpose. Mr. Neilson, K.C., counsel for the doctor, fought for his client tooth and nail, and proved a very thorny person to deal with. He challenged the authority of the Council and of the Chair in a way seldom or never encountered in that chamber, pressing his points with great pertinacity. He demanded an adjournment (previously applied for and refused) on the grounds that there were no statutory declarations, that his client had had no time to prepare his defence, and that the Council were usurping the functions of criminal jurisdiction. He was sharply pulled up by the Chairman on the word "usurp." Standing orders and the Council's own notes with regard to misleading certificates were quoted to show its authority. Ultimately the Council went into *camera* to thresh the matter out, and it was nearly an hour before the hearing was resumed, the objections being overruled. The second part of the charge was taken first. Dr. Flament, a big, dark-skinned man, born in Trinidad of an English father, but bearing the impress of coloured descent on the other side in his cast of features, was examined at length. His defence was a blank denial. Witnesses on both sides were called and questioned. Eventually the Council found the facts proved, and both counsel agreed that a decision should be come to with regard to this part of the charge. The Council were not long *in camera* before the fiat went forth that Dr. Flament had been found guilty of infamous conduct, and that his name must be erased from the Register. The adjournment took place at 7—an hour later than usual.

The Council met at 11 on Saturday and finished the penal business, seldom extended over so long a period, with the case of Frederick Charles Beaumont, L.D.S., R.C.S., of 28 Willesden Lane, London, N.W., who had misconducted himself with a lady patient. Divorce proceedings had been taken a year ago. The Dental Committee had found the facts proved, so that the Council quickly came to the decision that Mr. Beaumont's name should come off the Dentists Register.

OTHER BUSINESS.

The whole of the academic business was got through in a couple of hours, the Council rising just before 2 o'clock. The various reports presented contained nothing that led to any debate, and little that was new. Dr. Mackay, in his speech introducing the report of the Education Committee, expressed his satisfaction at the important step now taken in the establishment in England of leaving certificates, a system that had long been in practice in Scotland, and would, he hoped, soon be followed in Ireland. The President congratulated the Committee on the result of their long negotiation with the English Education Board. The essence of the new scheme was that it was based on education, not examination. The following recommendation of the Public Health Committee was adopted:

> That the General Medical Council cordially support the proposal for the establishment of a Ministry of Health, and request the Lord President to forward them for their observations the draft of any future Bill. They hope the measure will be expressed in general terms that will apply to all parts of the United Kingdom.

The following

REPORT OF THE PHARMACOPŒIA COMMITTEE

was presented by Dr. Norman Moore:

> The number of copies of the British Pharmacopœia, 1914, which were sold by the publishers between May 26, 1918, and November 23, 1918, was 1,512. The number sold in the year ending November 23, 1918, was therefore 2,382. The total number sold since the date of publication is thus 31,736. Of the third issue of 5,000 copies, about 3,200 remain in stock.
>
> The Committee are informed that the conditions governing the supply of glycerin, sugar, fats, and oils do not yet permit of the withdrawal of the Notices respecting emergency "alterations and amendments" of the Pharmacopœia issued during the war.

The report of the

DENTAL EDUCATION COMMITTEE

stated that an unusual number of applications for registration in the Dentists Register had been received from foreign countries, including Belgium and Japan. It was agreed that the Registers, even that of New Zealand, should not be recognised *en bloc*, but that the diplomas granted by Nippon and Tokyo Dental Colleges should admit to the foreign list of the British Register.

It was moved from the Chair, and agreed to—

> That in future every person whose name shall be entered for the first time in the Dentists Register shall be entitled to receive, on application, a copy of the published Register for the year in which his name had been entered.

Birth.

LINDSAY.—At 2 Blackness Crescent, Dundee, on November 29, the wife of George J. Lindsay, chemist and druggist, of a son.

Marriage.

CANNON—COGAR.—At St. Matthias' Church, Plymouth, on December 1, by the Rev. — Ward, Arthur Charles Cannon, D.B.O.A., F.S.M.C., F.I.O., chemist and druggist, Truro, to Madeline Morton, younger daughter of Mr. R. S. Cogar, Penzance.

Deaths.

ALLINSON.—At 4 Spanish Place, London, W. 1, on November 29, Dr. Thomas Richard Allinson, aged sixty-three. Dr. Allinson was the inventor of the well-known dietetic specialities bearing his name, and enjoyed a considerable reputation as an authority on nutrition. He was at one time the medical editor of the "Weekly Echo." In 1892 his name was removed from the Medical Register because of his advertising (*C. & D.*, I., 1892, p. 792).

BLYTHE.—In London, on November 27, of pneumonia following influenza, Mr. Alan Lancelot Blythe, managing director of William Blythe & Co., Ltd., manufacturing chemists, Church, aged thirty-four. Mr. Blythe, who had been connected with William Blythe & Co., Ltd., for sixteen years, was a captain in the Territorials when war broke out. In 1915 he was appointed to supervise the manufacture of high explosives and other products used in warfare. He had also many commercial interests, including the Kirk Chemical Co., and High Explosives, Ltd.; and it is thought that the strain of so many activities undermined his health. He leaves a widow and two children.

BYGOTT.—At Huddersfield, on December 1, suddenly, Mr. William Turner Bygott, chemist and druggist, aged seventy-eight. Mr. Bygott carried on business in Buxton Road for many years, retiring in 1913. He was well known as a local preacher and a temperance advocate.

COPP.—At Southampton, on November 18, Mr. William Risdon Copp, chemist and druggist, 174 Derby Road, aged fifty-one.

GARDNER-HOPKINS.—At "Hessenford," Belmont Avenue, Orangezicht, Cape Town, on October 9, Mr. William Henry Gardner-Hopkins, aged forty-four. Mr. Gardner-Hopkins was a partner in the firm of Hopkins & Co., chemists and druggists, of Woodstock, Observatory, Salt River, and Wynberg.

HARRIES.—At 79 Victoria Street, Dowlais, on November 28, suddenly, Mr. Evan John Harries, chemist and druggist, aged thirty-four. Mr. Harries, who qualified in 1905, had been in business about five years. His death, which took place at his business premises, was due to syncope following influenza. He leaves a widow and three children, for whom much sympathy is felt. Representatives of pharmacy present at the funeral, which took place on December 3, included Mr. D. J. M. Jones, chemist and druggist (cousin), Alderman R. P. Rees, J.P. (Mayor of Merthyr Tydfil), Councillor H. M. Lloyd, Mr. T. Jenkins (President of the local Association), and Mr. Ivor Owen. Among the wreaths was one from the Merthyr Tydfil Pharmacists' Association, of which Mr. Harries had been Secretary.

HEBDEN.—At Albany House, Winding Road, Halifax, on November 30, Mr. William Carr Hebden, J.P., manufacturing chemist, aged seventy-nine. Mr. Hebden, who was a registered chemist and druggist, had been in business for sixty years. For the past nineteen years he had been a borough magistrate, and for eight years was a member of the Town Council. Of great ability and thoroughness in all that he undertook, he was highly esteemed. He was well known as the originator of some successful proprietaries, and was prominent in public affairs. He was unmarried. The business is being carried on by the administrators.

JONES.—On November 26, after a brief illness, Mr. David Jones, chemist and druggist, assistant with Mr. Thos. Davies, chemist and druggist, Llandyssil (Cardiganshire), aged thirty.

MAXWELL.—At Manchester, on November 25, Mr. Peter Hamilton Maxwell, chemist and druggist (Decastro, Watson & Richards, Wilton Place, London, S.W. 1). Mr. Maxwell passed the Qualifying examination in 1886.

PRINNEY.—On November 28, of pneumonia following influenza, Mr. Leonard John Prinney, secretary of Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, aged thirty-one. Mr. Prinney succeeded Mr. Shacklady as secretary and office manager last March. He had risen rapidly, and showed great promise. The funeral took place at West Derby Cemetery, Liverpool, on December 3, the first part of the service being held at Christ Church, Buckingham Road, Tuebrook. Among those present were Mr. K. W. E. Evans, Mr. C. F. Malvern, Mr. J. McCaig, Mr. J. M. Tallantyre, Mr. J. W. Wright, and many heads of departments. Wreaths were sent by the directors of Evans Sons Lescher & Webb, Ltd., and the staffs in Liverpool and London.

REID.—At Bramshott, on November 24, Mr. Alexander Govan Reid, chemist and druggist, Sandringham Road, Petersfield, aged fifty-six.

SCOTT.—On November 27, of influenza, Mr. William Nimmo Scott, chemist and druggist, manager to Boots, Ltd., at their Bury St. Edmunds branch.

SHARPLEY.—At High Causeway, Whittlesea, on November 19, of influenza, Mr. Major Sharpley, chemist and druggist, aged forty.

SIMCO.—At "The Ferns," Cambridge Street, Wellingborough, on November 28, Mr. Frederic Simco, chemist and druggist, aged seventy-five. Mr. Simco was born in Wellingborough, and, with the exception of a brief interval, spent the whole of his life there. He opened a business in 1869, retiring in 1907. He was of a genial disposition, and was held in high esteem. For many years he was a prominent member of the Congregational Church. He is survived by a widow and three daughters. The business is now carried on by his son-in-law, Mr. R. H. Robinson, chemist and druggist (late Robinson & Rymer).

SPRUCE.—At Kraaifontein, South Africa, on October 8, Mr. Charles Francis Spruce, aged thirty-nine. For many years Mr. Spruce was manager of the dispensing department at Heynes, Mathew, Ltd., Adderley Street, Cape Town. He was also Secretary of the Cape Province Pharmaceutical Society at the time of his death, which was due to the influenza epidemic.

SUMNER.—At Klerksdorp, Transvaal, on October 19, of hæmorrhage following influenza, Mr. Albert Ernest Sumner, chemist and druggist, aged thirty-four. Mr. Sumner, who qualified in 1905, was for some time with Roberts & Co., New Bond Street, London, W.

THORPE.—At Spalding, on November 28, of influenza, Mr. Charles William Thorpe, Ph.C., aged twenty-four. After serving his apprenticeship with Donington & Co., chemists, Spalding, Mr. Thorpe studied at the Bloomsbury Square School of Pharmacy, where, among other distinctions, he gained the Martindale Medal and the Hewlett Exhibition. On the outbreak of war he volunteered for military service, but, having been placed in a low grade, continued his studies, and passed the Qualifying examination in July 1916 and the Major examination in the following March. For some time he was with Edward Burden & Co., London, W., as a substitute for a chemist of higher military grade.

TIFFANY.—At Hull, on December 1, Mr. Joseph Tiffany, chemist and druggist, 112 Beverley Road, aged fifty-three. Mr. Tiffany, who had suffered from depression, was found dead with a bottle containing hydrocyanic acid in his hand. A verdict of "Suicide while of unsound mind" was returned at the inquest.

WALMSLEY.—At 12 Beaufort Road, Kingston-on-Thames, on November 18, Mr. Samuel Walmsley, Ph.C., aged eighty-seven. Mr. Walmsley passed the Major examination in 1853, his certificate being numbered 266. After gaining experience with W. B. Jones & Co., Market Place, Kingston—whose pharmacy was closed in 1902—he commenced for himself in the locality, and built up a high-class business. Of a quiet, unassuming, and very conscientious disposition, he was much respected. For many years he was the Local Secretary of the Pharmaceutical Society. On his retirement from business a few years ago he was succeeded by his son, Mr. S. E. Walmsley, Ph.C. Another son, Mr. Martyn Walmsley, chemist and druggist, has for some time past been a representative of John Bell, Hills & Lucas, Ltd.

WINSHIP.—At 14 Longfield Terrace, York, on November 19, Mr. James Winship, chemist and druggist, aged eighty-four.

WRIGHT.—At Derby Lane, Derby, recently, of influenza, Mr. Arthur Wright (Wrights, Ltd., chemists, Clarence Road). Mr. Wright, who had been in business for many years, leaves a widow and a family. One of his sons has been serving with the Forces.

Died on Service.

BRANDER.—In France, on November 30, from pneumonia, Captain Bruce Macdonald Brander, R.A.M.C., Ph.C., Pereira medallist and Assistant Editor of THE CHEMIST AND DRUGGIST, aged thirty-two. Captain Brander was the only

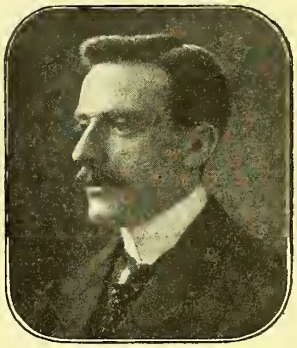
CAPTAIN B. M. BRANDER.

son of Mr. Joseph Brander, 42 Ashley Gardens, Aberdeen, and served an apprenticeship of five years with Ex-Provost Wm. Alexander, chemist, Banff, afterwards obtaining further experience with Mr. Alexander Glass, Perth, Mr. A. J. Clark, Edinburgh, Mr. J. M. Wilson, Insch, and Mr. H. B. Robertson, Broughty Ferry. Mr. Brander afterwards entered the Edinburgh Central School of Pharmacy, and studied under Mr. Wm. Beverley Cowie, Ph.C., F.C.S., passing the Minor examination in 1907. He then became assistant to Mr. Cowie, teaching the subjects of botany, materia medica, and practical chemistry, and also attending lectures in organic chemistry (advanced and honours) under Dr. A. A. Boon, and in botany under Dr. Macdougall, at the Heriot-Watt College. He also took a course of lectures and practical work in bacteriology under Dr. Taylor Grant. In 1910 he passed the Major examination, obtaining the Burroughs prize at the Central School of Pharmacy, and in 1911 gained the Pereira medal, the highest competitive honour attainable in this country by a student of pharmacy. Continuing with Mr. Cowie, Mr. Brander obtained a wide experience in analytical work, especially as applied to drugs and essential oils, and his popularity is shown by the fact that he was elected President of the Edinburgh Chemists', Assistants', and Apprentices' Association. He joined the staff of THE CHEMIST AND DRUGGIST on June 2, 1914, and threw all his enthusiasm into his new work, which, however, came easy to him because of his previous wide experience in pharmacy. He joined the Army as a private in the Royal Army Medical Corps in November 1915, and was engaged for a time in bacteriological and clinical work at the Lincoln Military Hospital. Afterwards he was promoted sergeant, and was transferred to the Chemical Warfare Department, assisting the late Lieut.-Colonel E. F. Harrison in the researches required for the perfection of the respirators needed to counteract the use by the Germans of poison gases. He next received a commission as Lieutenant, and was placed in charge of a water-testing and purifying plant, being sent to France eighteen months ago. In September of this year he was promoted captain. Mr. Brander was a man of serious disposition and of great sincerity. He perhaps hardly realised how high he stood in the estimation of those who came in contact with him, and had learnt to appreciate his sterling qualities. Writing to the Editor on November 16 he said:

> I have had a pretty strenuous time since I came back from leave, having been attached to one of the armies—and one that did magnificent work—since early in August. I have been right amongst it, and can truly say I have seen the war. I've seen a good deal more of it than I cared about sometimes, but it's over now, and I have had an experience which I shall never forget or regret, but the experiences I have had will serve me for the rest of my life. Truly, I have had a great time. I was at the taking of several famous places, and my sterilisers were the first motor transport vehicles to enter one famous place. We were there six hours after the Boche went out, and he was only a mile and a half away. We knew it too. I would not have missed the experiences for a good deal, and I've thoroughly enjoyed it all during the past four months, but a little goes a long way.

He then went on to refer to the prospects of his early return to his work on THE CHEMIST AND DRUGGIST, and was looking forward to the time when he should be able to take up the threads which had been snapped by the war. A higher power, however, willed otherwise—in the hour of victory the cup of hope was dashed from his lips—and he succumbed to pneumonia following an attack of influenza. Captain Brander married in 1915 Isabella Ann—a qualified chemist—daughter of his apprentice master, Mr. Wm. Alexander, who survives him, and a little daughter, to whom and the other relatives his friends at 42 Cannon Street offer their sincere sympathy. As evidence of the esteem with which Captain Brander was held we quote from a letter received a few days ago from a former student of his, "He is a grand chap, a perfect gentleman in every way." Almost at the same time we received a note from Mr. A. M. Fyvie, Secretary of the Natal Pharmaceutical Society, asking us to convey his congratulations to Mr. Brander on his successful career in the Army.

BROWN.—Second-Lieutenant Edward James Brown, Ph.C., died on service at Bagdad on November 14. Second-Lieutenant E. J. Brown began his career in 1891 as an apprentice to Mr. J. L. Russell, Ph.C., Portobello, and then went to the laboratory of the Edinburgh Royal Infirmary. He passed the Qualifying examination in 1898 and the Major examination in 1902. For services rendered as dispenser to the Edinburgh and East of Scotland South African Hospital during the South African War he received the Queen's Medal. After passing the Major, he was appointed a member of the teaching staff of the Edinburgh Royal Dispensary School. In 1909 he was elected President of the Edinburgh Chemists', Assistants', and Apprentices' Association, a position which he occupied for some time (*C. & D.*, II., 1911, p. 925).



SECOND-LIEUTENANT BROWN.

JARDINE.—At the Aerodrome, Croydon, on November 26, as the result of an accident, Sergeant William Boyd Jardine, R.A.F., chemist and druggist. Prior to joining the Forces in January 1917 Sergeant Jardine was first assistant in the laboratory of the Edinburgh Royal Infirmary. After serving in the R.E. in France for over a year, he was transferred to the Royal Air Force.

DE LA RUE.—Lance-Corporal C. F. De la Rue, Royal Irish Fusiliers, is officially reported presumed killed on August 16, aged twenty. Lance-Corporal De la Rue, who was the son of Mr. F. H. De la Rue, chemist and druggist, St. Peter Port, Guernsey, was entering on a pharmaceutical career when he was called up. He volunteered for active service, and was sent to France in January 1916.

WARD.—Private Albert W. Ward, Devonshire Regiment, has been killed in action. Prior to his enlistment in May 1915 Private Ward was with Boots, Ltd., at High Street, Burton-on-Trent.

Wills.

MR. JOHN SAMUEL WARD, herbalist, 110 Upperthorpe, Sheffield, who died on March 20, left estate valued at 5,447*l.* 7*s.* 6*d.* gross, with net personalty 3,500*l.* 5*s.* 8*d.*

MR. JOSEPH JOHN BOWLEY, Wellington Works, Wellington Road, Battersea, London, S.W., oil importer and refiner, who died on August 21, left estate of the gross value of 27,126*l.* 8*s.*, of which 25,940*l.* 10*s.* 3*d.* is net personalty.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," October 23, 1918.)

"LUMA"; for luminous powder and paste (1). By The Standard Chemical Co., Vanadium Building, Forbes Street, Pittsburgh, U.S.A. 382,447.

"PHAROLIN"; for all goods (1). By William Cooper & Nephews, Maryhill, Glasgow. 383,626. (Associated.)

"LORIVAL"; for all goods (1). By M. E. M. Lormier and P. M. de Vallombrosa, 31 Boulevard Suchet, Paris. 384,223.

"CLYPTAS"; for disinfecting fluids (2). By R. Young & Co., Ltd., 38 Elliot Street, Glasgow. 385,115.

"OJO BRAND LAXATIVE"; for medicinal chemicals (3). By P. E. Derrick Advertising Agency, Ltd., 34 Norfolk Street, Strand, W.C. 2. 384,864. (Associated.)

"THE SPA IN A SPOON HARLEY'S THREE SALTS" with picture of spa and spoonful of salts ("Harley's Three Salts" disclaimed); for a medicine (3). By T. Harley, 29 High Street, Perth. 380,475.

"DULOX"; for surgical needles and sutures (11). By C. de Witt Lukens Surgical Manufacturing Co., 4908 Laclede Avenue, St. Louis, U.S.A. 385,125.

"MISS-PAH"; for infants' soothers, etc. (11). By W. T. James, Pantglynhir Farm, Cross Inn, S.O., Cardiganshire. 385,178.

"SNOWFLAKE"; for food substances (42). By W. P. Sinclair & Co., Ltd., 12 North John Street, Liverpool. 382,519. (Associated.)

Flag devices including words "COLMAN'S MUSTARD" and bull's head; for mustard (42). By J. & J. Colman, Ltd., Carrow Works, Norwich. 384,881/2/4/5/7/8/9/90/91. (Associated.)

(From "The Trade-marks Journal," October 30, 1918.)

"DUROPRENE"; for all goods (1). By The United Alkali Co., Ltd., Pier Head, Liverpool. 383,768. (Associated.)

"HERONITE BRAND" on circular device of heron; for chemicals (1). By W. R. Pettit, "Glendevon," Cheyne Walk, Addiscombe, Surrey. 385,041. (Associated.)

"STAFFALLENS"; for chemicals (1, 2, and 3), goods (4, 42, 43, and 44), and for perfumery, etc. (48). By Stafford Allen & Sons, Ltd., 7 Cowper Street, Finsbury, E.C. 2. 384,371/2/3/4/5/6/7/8. (Associated.)

"BIG-WYE BRAND" and diamond-shaped device enclosing letter "Y" and monogram "B.G. Co." ("Big-Wye" and "Y" disclaimed); for chemicals (1) and for goods (4, 17, and 47). By Biggs, Gwyer & Co., 134 Fenchurch Street, E.C. 3. 385,024/5/6/7. (Associated.)

"WAWN'S WONDER-WOOL," etc., on oblong label ("Wawn's Wonder" disclaimed); for medicated wool (3). By V. A. Wawn, 186 George Street, North, Sydney, New South Wales. 382,750.

"ULTRAVI"; for medicinal chemicals (3). By The C.V.O. Chemical Works, Ltd., Brew House, Petersham Road, Richmond. 383,882.

"BARMOLINE"; for medicinal chemicals (3) and for perfumery, etc. (48). By E. C. Haag and W. Rodgers, 73 Sandgate Road, Folkestone. 384,650/1. (Associated.)

"GLYROLINE BRAND A SUBSTITUTE FOR GLYCERINE"; for a glycerine-substitute (3). By H. F. Warcham, 124 Holborn, E.C. 1. 384,416.

"GNAT"; for safety razors (12). By T. P. Bentley, 76 St. Anne's Road East, St. Annes-on-Sea. 383,739.

Device of chamois; for all goods (47). By S. D. Simond & Co., Ltd., 10 Monument Street, E.C. 3. 385,189.

"VYNORA"; for water-softeners and shaving-tablets and sticks (48). By Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool. 379,387.

More Tales of Oenophus.

VI.—Concernynge Clere Majorities.

"Itte behoveth Us alwaye," saith ye Masterfull Onne, "to doe Naught until we have A Clere Majoritie. Inne ye Realme of Politicks soe muche dependeth upon Absolute Clerenesse."

"Lysten unto Hym!" murmur ye Acolytes.

"Butte itte were Notte Wysdome," pursueth ye Carefull Onne, "to flaunte Majorities inne ye Face of ye Proletariate."

"'Tis wyslie spokene," choruss ye Faythefull.

Soe Peremptorie Questionynges were putte to Onne-Hundrede-Fortie-and-Two Trybes of Pannellers inne ye Lengthe and Bredthe of ye Lande.

And Two-and-Twentye sayed Yea.

Butte Onne-Hundrede-and-Twentye sayed Naye—or Nothynge.

Thus a Clere Majoritie is tryumphantlie proclaymed inne Counsell Overte. Butte noe Sordide Detayles are forthcomynge to Crehte Uneasynesse among ye Commone People.

For ye Bulwarke of Beneficente Gouvernmente is Faythe inne Appoynted Roulers, and alle Seekers after Lighte are Traytores to ye Krafte.

And Nobodie woulde have bene ye Wyser butte for ye Indyscretiones of Ugoh.

Trade Notes.

EMBROMULSA is a powder from which a creamy embrocation can be produced at a low cost. It is offered by the Embromulsa Co., 389 High Street, Cheltenham, in an advertisement in this issue.

ARTIC CHILBLAIN-STICKS.—A "known, admitted, and approved" remedy for chilblains is offered under this title by Goddon & Coke, manufacturing chemists, 49 Lamb's Conduit Street, London, W.C. The sticks sell at 6*d.* and 1s., at protected prices.

ADVERTISING CAMPAIGN.—H. Bronnley & Co., Ltd., Acton Vale, London, W. 3, call attention to the fact that they are commencing an advertising campaign in about forty leading papers regarding Courvoisier's perfumes. The company ask chemists to be prepared for the increased demand which will arise. The toilet preps.—Omar Khayyam and C.C., concentrated perfumes, and Ess Viotto—are sold at protected prices.

ABBE REFRACTOMETERS.—Adam Hilger, Ltd., 75A Camden Road, London, N.W. 1, issue a beautifully produced booklet giving particulars of the Abbé refractometers with water-jacketed prisms which the company make. These refractometers are beautiful examples of English workmanship, and embody several patented improvements which make them the most perfect instruments of the kind that have so far been produced. Chemists interested in the matter should send for a copy of the booklet.

CHRISTMAS HOLIDAYS.—We have received intimation from F. Newbery & Sons, Ltd., 27 and 28 Charterhouse Square, London, E.C. 1, and Sangers, 42A Hampstead Road, London, N.W. 1, that they intend closing their premises from Christmas Eve (December 24) to the following Monday morning (December 30). We shall be glad to hear from other business houses as to the arrangements for Christmas, so that our readers can anticipate their orders so far as possible.

COMMERCIAL PHARMACY.—W. B. Cartwright, Ltd., Rawdon, near Leeds, deal in their advertisement in this issue with "commercial pharmacy." By this is meant the supply of "known, admitted, and approved" remedies, attractively packed for sale by chemists. Being made in quantity, it is claimed that the remedies can be sold to chemists at advantageous rates, and in addition the service of showcards and counter-bills makes the offer especially attractive. The company will send a price-list to any of our readers who send them a request.

CHANGING OVER.—One of the problems of peace is the "changing over" of factories from war work to peace requirements. The problem is being attacked vigorously by John Bell, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, London, S.E. 1. This company has been engaged for the past three and a half years in the production for the Army of appliances for neutralising enemy poison-gas. In that period scores of millions of respirators have been manufactured, the company being from April 1915 to the autumn of 1916 solely responsible to the War Office for the production of respirators, the quantity turned out in that period being twenty millions. The staff numbered between four and five thousand, and these are now being turned over to civilian employment. The company hope to apply the methods acquired during the war to large-scale manufacturing of drug-trade requirements. The commercial travellers, who were withdrawn owing to the demands of the anti-gas appliances factory, will shortly all be on the road again.

Information Department.

INFORMATION WANTED.

239/8. Anopin hypodermic tablets
238/23. "Cancacette"
241/15. Camphor-naphthaline
227/34. "E. L." brand tooth-powder
234/59. "Deodor" disinfectant
229/9. Martell's or Martelle's pills
233/5. "Uropine" pastilles
238/2. Holmes's liver-salt
229/9. Guymal's syrup and almond oil

INFORMATION SUPPLIED.

Caotina pillets, 241/20
Casogen, 238/4
Clark's glycola, 239/12
Dr. Lalor's phosphodyne, 241/201
Duralysol, 233/6
Egyptian ointment, 239/62
"Elcaya" cream, 232/34
"Empire" teats, 224/73
"London" truss, 226/38
Lyon's tooth-powder, 239/49
Maypole soap, 232/34 and 234/58
Vaso-Constrictine suppositories, 201/66
"Verox" meat extract, 202/40
"Vi-Malt," 199/21
Warner's safe cure, 222/28

Observations and Reflections

By Xrayser II.

The Glasgow Federation Scheme

aims directly, though it may be unconsciously, at the supersession of the Pharmaceutical Society as respects everything but the carrying out of its statutory obligations. I do not object to it on that account, but rather welcome it, as justifying my own criticisms of the Society, and though I would much prefer to see a reformed Society undertake all the duties designed for the Federation, I am prepared to admit that this is not at present feasible, and to accept any sound scheme for supplying the Society's defects. But to support this Glasgow scheme is inconsistent with the defence of the Society as an efficient protector of our interests and director of our course. The scheme is indeed an indictment of the Society, a tacit charge of failure in affairs of the most vital importance. The scope of the scheme gives the measure of this failure; to a greater or lesser extent the Society has failed everywhere, for, with the exception noted above, there is no department of its ostensible activities which the scheme does not invade. This, I say, is a reason for welcoming it, whatever its character as a constructive scheme; I only hope its framers understand what it means. Its general plan seems at first sight admirable, its details require examination, and the discussion of them at present would be premature.

The Division of the Minor,

says Mr. Keall, will probably apply to nobody but Service men. This is not at all what we have been either contending for or expecting, and of course the Council is fully aware of the fact. Nor (I venture to say) has there been any hint of it in such references as have been made to the subject in the Council. I cannot at the moment lay my hand on any report either confirming my impression or otherwise, but surely we have had warrant given us for believing that a minor reform which has been long asked for was at last to be conceded. However this may be, Mr. Keall's reading of the intention of the Council will be received with general regret, and I may say with much stronger feelings. Possibly, however, he is mistaken, in which case an immediate reassurance from some better-informed person is desirable.

As an Apologist for the Society

Mr. Keall lacks convincingness. He speaks as one conscious of having a bad case and too honest, or too diffident, to make the best of it. He has neither Mr. Sargeant's gift of bluff nor Mr. Deakin's air of sweet reasonableness. For Mr. Deakin, too, I regret to say, becomes with every appearance he makes more and more of a mere apologist. No doubt it is difficult to resist the influence of one's environment; evil communications, we know, are apt to corrupt, and no doubt the easiest way to turn a reformer into a reactionary is to give him a place in the Government. I do not say that Mr. Deakin has reached this stage yet, but his soul is clearly in danger. His reply to the inquiry whether something was not going to be done to make the Minor easier for Service men was a masterpiece of evasion: what he said was that the tendency now is to attach more importance to training than to examination. He ought to be a Cabinet Minister.

The Employment of Discharged Soldiers,

whether disabled or not, in the drug-trade, after a brief course of technical instruction, but without previous shop experience, at such wages as two guineas or fifty shillings a week, is not, in my opinion, a business proposition. Such a course of instruction as is proposed would not give them the qualities we most want in assistants, whether qualified or unqualified—those, namely, of smart salesmanship and general business ability; nor would it fit them to dispense without constant and close supervision. To accept them as dispensers would, in fact, give away the whole case for education in pharmacy. In the larger establishments, where specialised routine work might be found for them, they might be useful enough, but in smaller shops where only one assistant is kept, and an all-round competence is therefore essential, I do not see how any place can be found for them. All the work they would be fit for could be got at a much cheaper rate, and while our profit on the business we do is anything like what it is at present, we cannot afford to pay anybody more than is absolutely necessary. An unqualified man at fifty shillings a week is vastly better paid for what he can do than the pharmacist who employs him. If we are to give wages like these for unskilled work we must first be better paid ourselves. These men, without shop training, would be unqualified in a double sense.

"A Clear Majority"

of the Pharmaceutical Committees do not appear to be composed of people of common sense, and the "official body" may perhaps be excused for not treating them as if they were. Supposing the terms were actually submitted to them (as I take it we may), their failure to reply, if they did not wish them to be accepted, was a monstrous piece of folly, and if they are dissatisfied with the result they deserve to be so. That many of them were not in favour of accepting the terms it is impossible, after the reports that have been published, to doubt. There is as little doubt that the Council reckoned upon some such failure to realise their responsibility and act promptly. The whole business is enough (to adopt your words) to make us despair of ever getting the treatment we desire—I can hardly say that we deserve, for while we act thus we deserve nothing better than we receive.

The Adoption of a Decimal Coinage

is a reform often advocated, and whatever objections there may be against it there can be no doubt that, the unity of value being everywhere the same, it would greatly facilitate our commercial intercourse with other countries. The Latin and Greek races of Europe have indeed this advantage already, so far as trade between themselves only is concerned, the French franc, the Spanish peseta, the Italian lira, the Greek drachma, being all of the same value, about 9½*d.* of our money, which is also the value of the Bulgarian lev and the Roumanian leü. Portugal, however, with her milreis of the value of 4*s.* 5½*d.*, stands apart from this group. There is complete agreement, again, between Denmark, Sweden, and Norway, the krone of each country having the value of 1*s.* 1½*d.*, but all is confusion in the rest of Europe. We have indeed a shilling which corresponds nearly to the German mark (though not quite), but we do not reckon in shillings; the Austrian krone, worth 10*d.*, is still further from correspondence with either, as are the Dutch florin, worth 1*s.* 8*d.*, the Russian rouble 2*s.* 1½*d.*, and the Turkish piastre 2*d.* Going beyond Europe, we have the American dollar, 4*s.* 1½*d.*, the Brazilian milreis, formerly worth 2*s.* 3*d.*, now about 1*s.* 6*d.*; the Chilian peso, 10*d.*; the Argentine, ditto, 1*s.* 8*d.*; the Paraguayan ditto, 3*d.*; the Colombian, ½*d.* (all these were, I presume, originally of one value); the Peruvian sole, 2*s.* (the boliviano of Bolivia, and the sucre of Ecuador being of about the same value); and the yen of Japan, worth 2*s.* 0½*d.* All these are, by the way, pre-war values. When we get our League of Nations we may perhaps agree a little better in our currencies.

Haws

have been used in medicine as an astringent for diarrhœa since the time of Dioscorides, and both they and mayblossom were long in repute for the stone and dropsy. The official name of the tree was *Spina alba*, but after 1746 it was omitted from the Pharmacopœia though retained to some extent in practice. Quincy says: "The mighty *Nephritick Water*, so much in the good opinion of the late Dr. *Ratcliffe*, was made only from the flowers of this Plant, which blow in *May*." Ratcliffe, or rather Radcliffe, was physician to Queen Anne, and the donor of the Radcliffe Library at Oxford.

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"SANITAS"

DISINFECTANTS

(Fluids, Powder, and Soaps).

Also
"Sanitas-Bactox" Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Okol" Emulsified Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formio Sulphugators."
"Sanitas Formigators."
"Sanitas Drain Testers."
"Sanitas Polishes."
(Kingzett's Patent)
"Sanitas Distemper," for walls.
"Sanitas Creoleum" (wood preserver).
Peroxide of Hydrogen (Kingzett's Preserved).

THE "SANITAS" CO., Ltd.,
Locksley Street, Limehouse, LONDON, E. 14.

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BRITISH
ABSOLUTE ALCOHOL
Jas. Burrough Ltd. D.1. Cale Distillery, Hutton Rd., LAMBETH, S.E. 11

HAEMORRHOIDS

A NOTE TO CHEMISTS.

Hæmorrhoids are caused by the disordered functions of the system which cannot be corrected by external remedies.

Evidence, which we can produce in confidence from Chemists and others who have suffered, fully prove that a cure has been discovered, and that the recommendation of "Pylitna" Powders is completely justified.

We invite correspondence and co-operation.

G. S. MUMFORD & SONS, Farringdon Rd., LONDON, E.C. 1.

Essential Oils
AND
Aromatic Chemicals

W. NAUMANN, 40 Charterhouse Sq., London, E.C. 1.

Fletcher's Concentrated Liquors,
offer a perfect alternative to the discarded B.P. Tinctures and Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

"STAG" R&S BRAND.

CAPSICUM TISSUE

Made from our well-known Gamgee Tissue, charged with the active essence of Capsicum and Methyl Salicylate.

The distinctive feature of our manufacture is the combination of Methyl Salicylate with the Capsicum.

The Gamgee Tissue is found to be a much more convenient vehicle for the Capsicum, &c., than ordinary absorbent Cotton Wool, as it lends itself more readily for application to the parts affected.

Supplied in bulk in 1 lb. rolls, or cut to any size required. We can supply you with cartons and labels free from stamp duty, or pack it for you in cartons ready for sale. Write for Samples and Prices.

Robinson & Sons, Ld.
CHESTERFIELD.

Editorial Articles.

Demobilising Difficulties.

In referring recently to the question of demobilising chemists and assistants (*C. & D.*, November 16, p. 44), we expressed regret that the Pharmaceutical Council had taken no steps to form a Whitley Council representing the whole drug-trade with which the Government could have treated in the matter of demobilisation. We have since been informed that a special Pharmaceutical Advisory Committee is being formed which is to deal with this question and that the Pharmaceutical Society have been asked to nominate members who will represent the retail trade on this Committee. The Committee referred to is to act for the United Kingdom and will include a representative of the Pharmaceutical Society of Ireland. Various Government Departments are to elect members. The formation of this body is apparently a difficult process, but it will doubtless be completed before the declaration of peace, which will be the signal for the commencement of demobilisation. Some disappointment has been expressed that the long statement in the Press regarding the procedure to be followed in the release of men from the Forces did not contain any reference to chemists. Mention was made of accountants, architects, engineers, solicitors, and surveyors, and particulars were given of the bodies which are entrusted with the arrangements for securing the release of pivotal men, or men who are to be released in advance of the general demobilisation. As we mentioned above, the absence of any reference to chemists is accounted for by the formation of a special body representing the retail chemists of the

United Kingdom. It seems to us that an announcement that registered chemists as such would receive priority of release would have simplified matters, and that the question of the unqualified assistants and apprentices could have been left to the Advisory Committee to deal with. Pending an official statement regarding chemists, we may remind our readers that employers who desire the release of a man who is not a commissioned officer should obtain from the local Employment Exchange postcard "E.D. 406," enter upon it the man's name, regimental number and the name and address of his unit, with, if possible, his home address, and return the postcard to the Employment Exchange. An ambiguity is introduced into the instructions by the mention that in the case of men of "high educational attainments" serving in the ranks an employer who has a definite vacancy to offer such a man, or who expects the return of such a man to complete a course of training, should fill up form "R.C.V." or "R.C.T.V." and return it to the local District Director, Appointments Department of the Ministry of Labour, instead of sending postcard "E.D. 406" to the Employment Exchange. There are about twelve District Directors, the one dealing with London and district being at 99 Queen's Gate, S.W. 7. The difficulty which some of our correspondents find is to decide whether a chemist is a man of "high educational attainments." Our view is that registered chemists are included in this definition because they have to pass special examinations before they are qualified to dispense and sell poisons. This hardly includes unqualified assistants, but apprentices would come under the definition of men who are required to complete a course of training. It will thus be seen that the procedure as at present outlined is different for qualified chemists and apprentices and for unqualified assistants. It is not clear, however, as to the course to be taken by a qualified chemist whose business is being carried on during his absence and who is himself a proprietor as distinct from an employed person. Perhaps the Pharmaceutical Advisory Committee when it is formed will be able to assist in these cases, but in the meantime proprietor chemists who are in the Navy or Army and who desire priority of release should make inquiries in their unit, as we do not think the "Civil Employment Form," which is being issued, exactly fits their case. In regard to chemists who are officers and whose former employers desire them to be released, form "R.C.V." is employed and it is to be sent to the local District Director, Appointments Department, Ministry of Labour, referred to above. Form "R.C.T.V." is used when the officer is required to return to complete a course of training or apprenticeship. We gather that the Pharmaceutical Advisory Committee which was set up in Scotland to deal with recruiting of chemists is now to act for Scotland in the matter of demobilisation. From what we have stated it will be seen that there are three classes of men in the demobilisation scheme: (1) "Pivotal" men who are to be released in advance, (2) men who have occupations waiting for them, and (3) men who have no situations to go to. It has further been announced that married men will take precedence of single men. The carrying through of the plans so far outlined will take many months, judging only by the complicated clerical labour involved in the process, so that chemists who are looking forward to early assistance in their business must still exercise much patience.

South African Trade.

THE trade of South Africa during 1917 is the subject of a comprehensive report by Mr. W. G. Wickham, H.M. Trade Commissioner in South Africa, but there is little of direct interest to wholesale druggists and manufacturing chemists. In reviewing the chief events of the year, Mr. Wickham calls attention to the development of new industries, among which he mentions the manufacture of calcium carbide, carborundum, alcohol motor-fuel (in addition to methylated spirit and industrial alcohol from sugar-cane refuse), maize starch, stearine, sulphate of ammonia, wattle-bark extract, arsenic and antimony refining, lead corroding for white and red lead, and glass-bottle blowing. The above-named industries have recently been or are on the point of being established in the Union, but no details are given as to probable output. It is also proposed to manufacture acetone and tartaric acid, the bulk of which now comes from Italy. As regards general imports into the Union, the statistics show that commercially the United States is the chief rival of the United Kingdom. The imports from the United Kingdom last year amounted to 52.46 per cent. of the total; the British Empire's share, including this amount, was 66.55, while the United States' share was 17.92 per cent. From the annual Customs returns we are able to supplement Mr. Wickham's figures with details regarding the drug imports. These we give in the following table:

Imports of—	From U.K. 1917 £	From U.S. 1917 £	Total Imports £
Apothecaries' wares ...	54,816	8,669	77,110
Medicinal preparations (not spirituous)...	74,453	20,152	99,960
Ditto (spirituous)	14,071	7,483	22,315
Disinfectants	74,636	5,027	81,391
Drugs, chemicals, unenum.	118,514	22,493	170,816
Caustic soda...	32,887	25,633	58,526

These are a few of the leading items, and certainly there seems no cause for apprehension in regard to competition in the purely pharmaceutical chemicals and drugs; rather is it the domain of heavy chemicals that inroads may be expected. Nor is Japan an active competitor in medicinal preparations, although her trade has shown a marked increase in glassware and bottles, superphosphates, perfumery, and sulphur. Switzerland increased her trade in surgical instruments and Sweden in glass bottles, but there is nothing sensational in any of the increases. The restrictions of British commercial manufacturing and limitation of export, particularly in lines which have in the past been specially regarded as British preserves, have no doubt given good opportunities to commercial rivals to introduce their goods to the South African market, but it is not apparent in the chemical and drug trades. That, however, is no reason why exporters should not increase their preparations for after-war business by strengthening and improving their organisation.

Oilseeds and Oils.

WHILE the cessation of hostilities tended to foster hopes that certain concessions might perhaps be granted shortly by the authorities to the merchant trade in seeds and oils, it is to be feared that such hopes will be deferred until well into the New Year. For one thing, values in all directions are so seriously inflated as the direct result of shortage of supplies, that the authorities are presumably of opinion that the granting of facilities, even only for legitimate purposes, for individual trading, would be unwise until there is a possibility of official prices being modified. A desire has certainly become manifest in most quarters that something should be done as soon as possible to afford relief to the trading community from the present drastic restrictions. The plea advanced on the part of the trade is only natural considering that the rehabilitation of the oilseed-crushing industry is largely a matter of increased shipping facilities, of which tangible indications have already become perceptible. The cost of transport will probably be brought down steadily, while notable reductions have already taken place in freight charges from overseas sources of production. The position of freight, however, is still undoubtedly tight, although there is a little more competition in the way of neutral or free tonnage. This, combined with some relaxation of the regulations for importing seed, would doubtless make for an acceleration of supplies, and thus help in correcting the phenomenal stringency in values. An illustration of this stringency was again afforded by the recent further considerable advance enforced for certain seed products. The inevitable revision affected rapeseed and cottonseed to the extent of 3*l.* and 5*l.* a ton respectively. The top official price of the former, representing Toria seed, is close on 33*l.* a ton, while Egyptian cottonseed is 24*l.* for f.a.q. Obviously the oil-products have been revised in proportion,

the new "record" figures being 85*l.* a ton for crude cotton oil and 102*l.* 2*s.* 6*d.* for American refined, while crude rape oil stands at 75*l.* naked at mill, which is, therefore, on a level with crude linseed oil. The price of the latter, however, appears to be chiefly nominal, since business is largely a matter of negotiation. Castor oil in Hull now stands at 110*l.* per ton for first pressure on the basis of the advance of 3*l.* 2*s.* 6*d.* to 49*l.* 2*s.* 6*d.* in the price of castor-seed. These quotations give a clear idea of the dearth of supplies. There is no doubt that some considerable time will elapse ere any important abatement from the present acute conditions takes place, although signs of relaxation should become noticeable in regard to cotton oil, and especially linseed oil. There is reason for believing that shipments of seeds and other raw material so badly wanted by crushers in this country are being made a little more regularly, so that it is only a question of time when the general improvement reported from overseas must tell on the revival of the industry. Given a gradual increase in supplies of raw material, fundamental conditions must become strengthened and thus lead eventually to a removal of the irksome official control whereby individual enterprise is seriously prejudiced. In the meantime, the allocation of vegetable oils continues under pretty close supervision. Apart from the large and insistent demand for food-manufacturing purposes, oil-crushers have to meet enlarged requirements on the part of manufacturing branches such as linoleum, oil-cloth, soap, paint, and varnish makers, whose reserve stocks have practically disappeared. These commodities are all alike in growing request, and, in addition to this, the position of all kinds of feeding-stuffs remains badly in need of relief, as indicated by the severe restrictions that have been in force for some considerable time in the home trade. The allocation for cattle-food continues to receive primary attention. There is now perhaps a slightly better prospect of supplies of oilcakes coming to this country from abroad, and this would help matters somewhat until the critical period can be tided over. Conditions in the United States in regard to linseed oil are still tight, the current output being speedily absorbed. American competition for River Plate seed, the new crop of which is shortly to become available, should not assume any great importance for some time, and, in the circumstances, requirements on home and French account thus stand a better chance of being met as soon as sufficient tonnage can be spared. The outlook generally is certainly more hopeful, but a return to more normal conditions seems likely to be a slow process, so that there is no immediate prospect of any big setback in prices. Since the above was written the Ministry controlling seeds and seed oils has requested that all quotations recently published should be cancelled until further notice.

The Wholesomeness of Saccharin.

The few people in this country who preach the harmfulness of saccharin as a sweetening agent often quote the United States as a country where the use of saccharin is prohibited in food. They will be deprived of this argument in future, as the Appellate Division of the Supreme Court has decided against the New York Health Department, which contended that saccharin is injurious for human use. As fifteen other States in America had also forbidden the use of saccharin, the decision will be an important precedent. The question was referred to the Referee Board of Consulting Scientific Experts, and the Board reported that saccharin in small quantities added to food is not injurious to adult consumers, and when added in small or large quantities does not alter the quality or strength of food; but that when added as a substitute for sugar it "must be regarded as a substitution involving a reduction in its quality."

The Clear Majority.

Exception has been taken to the note which we published last week (*C. & D.*, November 30, p. 44), dealing with the "clear majority" of Pharmaceutical Committees which approved of the new Drug Tariff terms for 1919, on the ground that no mention was made of the fact that in sending out the announcements to the Pharmaceutical Committees it was distinctly stated that those who did not reply would be taken to have assented to the proposals. This stipulation was, we think, designed to take advantage of the indifference which is usually shown in these cases, and we do not think it increases the majority legitimately. The test which should be applied is: "Would a stipulation have been made that those who did not reply would be counted as opposed to the new terms?" The answer is in the negative, as they say in the House of Commons. We recommend the method of the Local Associations Executive to the Prime Minister. An announcement that all persons who do not vote at the forthcoming General Election will be considered as having supported the Official Coalition candidates would give him an unmistakable mandate.

Standards for Cascara Preparations.

Bulletin No. 386 issued by the Laboratory of the Inland Revenue Department, Ottawa, Canada, is an attempt to arrive at standards for cascara preparations, particularly the liquid extract and the aromatic syrup. The analytical results show that the preparations collected for the purpose of the investigation are far from uniform, which is what would be expected when such a variable raw product as cascara sagrada is employed. The report deals also with what are designated "trade preparations" as well as with galenicals of the United States Pharmacopœia. It would appear that the "fluid extract" and the "liquid extract" of the United States and British Pharmacopœias are classified together, but as they are made by different processes the products may not be the same. This makes the results of doubtful value. Such as they are we give them, excluding exceptional samples:— *Specific gravity*, 1.05 to 1.08 (Squire gives 1.06 for ext. cascara sag. liq., B.P.); *alcohol*, 16 to 21 per cent.; *total solids*, 20 to 35 per cent. (Squire's range is 17 to 27 per cent. w/v); *solids precipitated on dilution*, 1 to 2.5 per cent. w/v.; *reducing sugars*, 5.25 to 7.75; *ash*, 0.7 to 1.1 per cent. (the ash is of a beautiful green colour); *manganese number* (per cent. w/v of manganese × 100,000), 100 to 500; emodin (Bornträger reaction) positive. As we have stated, the figures from a pharmaceutical point of view are untrustworthy, but we suggest that further research should be carried out on a range of samples of ext. cascara sag. liq., with a view of testing whether any guidance can be obtained from analytical figures.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

Qualitative Analysis.

A Mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, December 10, on which day the samples will be posted. Students' reports will be received up to Saturday, December 21. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the second exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports*

Pharmaceutical Society of Great Britain.

Council-meeting.

A MEETING of the Council was held on December 4 at 17 Bloomsbury Square, London, W.C. The chair was occupied by Mr. W. L. Currie, the President, and all the members were present with the exception of Miss Buchanan, Mr. J. F. Harrington, Mr. A. S. Campkin, Mr. J. Harcombe Cuff, and Mr. Wolff.

The minutes of the last meeting were read and confirmed.

THE ARMISTICE.

The PRESIDENT at the beginning of the proceedings said it would be a mistake, in his opinion, if he allowed the opportunity to pass without making reference to the altered conditions under which the Council met that morning. (Applause.) He referred to the temporary peace conditions at which the country had arrived, and which, it was hoped, would soon be ratified into a complete peace in the period of reconstruction upon which we are about to enter, and in which they as a Council would, he hoped, take a prominent part. He hoped that conditions which prevailed even in the time of peace would be very much improved, and that they would enter upon a period when the position of pharmacy and that of the world generally would be better than it had ever been before. We had suffered four and a quarter years of war. It was the hope of all that we are now going to enter upon a complete peace, and that we shall fear war no more. (Hear, hear.)

QUESTIONS.

Mr. F. P. SARGEANT put the following question:

Will the President give instructions that a memorandum be prepared in the office indicating the changes necessary, either by alteration of the by-laws or by legislation, as a preliminary to the election of the Council on a territorial basis, and that such memorandum, together with any observations upon the Organisation Committee's report that have been received from local Associations, be laid before the Organisation Committee in order that a report may be made to the Council at an early date?

The PRESIDENT replied that there is so much in the air, and everyone is so keen over the point involved, that he had no hesitation in replying that the request embodied in the question would be granted and attended to at the very earliest opportunity. The Reconstruction Committee would deal with the matter very soon.

ELECTIONS AND RESTORATIONS.

One person was elected a member, and one was admitted a student associate of the Society. Two were restored to the Register of Chemists and Druggists, and one person was admitted as an apprentice or student.

SUPERINTENDENTS OF WRITTEN EXAMINATIONS.

With reference to the appointment of Superintendents and Deputy Superintendents respectively of written examinations, the Secretary reported that the arrangements relative thereto were not yet complete, nor would they be completed this month, he was sorry to say. The fault did not rest with anyone in the office. It arose from the difficulty of getting into correspondence with those who might be regarded as suitable for the respective positions.

It was resolved that the whole matter should be deferred till next meeting.

APOLOGIES FOR ABSENCE.

The Secretary intimated that he had received from Mr. Wolff and Mr. Cuff expressions of regret for their inability to be present at the meeting.

RESIGNATION OF MR. J. F. HARRINGTON.

The PRESIDENT read the following letter, dated November 25, from Mr. J. F. Harrington:

It is with much regret that I am writing to ask you to accept my resignation as a member of the Council of the Pharmaceutical Society. For some time I have felt that, owing to the state of my health, and the greater demands on my time and energies from my business under the present war conditions, I have been unable to give the time and attention to my duties on the Council that I ought to, and therefore I think it my duty to retire. I am very sorry I am compelled to do this during your term of office, as I had hoped to be able to support you during your presidency, and I take this opportunity of thanking you for your many kindnesses and assistance you always gave me during the time I held the position you now hold. Will you please to convey to the members of the Council how grieved I am to be obliged to leave them, and thank them for the unfailing kindness and courtesy I have always received from them? I would also like to offer my thanks to the staff for the help and support that they have always given me during the many years I have been a member of the Council and in the different positions I have filled. Again expressing my regret that I am compelled to leave you and give up my work for the Society.

The President expressed his personal conviction that Mr. Harrington had not written the letter without very careful consideration. He was sure of this, because he had a previous letter from him on the same subject. Intimation of Mr. Harrington's intention was received by them all with considerable regret. That regret was all the more keen when they knew that his condition of health did not justify him in carrying on the work with which he had been so long and so worthily associated. They parted from old members of the Council with very great pain. (Hear, hear.) Mr. Harrington had served the Society and the Council faithfully and well both as President and in the capacity of Chairman of various Committees. His services had been particularly conspicuous and valuable while acting as Chairman of the Law Committee. He did not suppose that in the ordinary course of events the Council could look forward to Mr. Harrington's return to the Chamber, but if his health did so improve as to enable him to resume his deliberations with them he could feel certain of a most cordial welcome. The resignation was received with very great regret. He proposed the following resolution:

That the Council receive with profound regret the resignation from the Council of Mr. J. F. Harrington, and desires to place upon record the grateful sense of his colleagues of the valuable services rendered by him during his long association with the work of the Council; they deplore the occasion of his retirement, and tender sincere good wishes for such a restoration to health as may ensure his advice and co-operation in pharmaceutical matters for many years to come.

Mr. YOUNG seconded the resolution, which was unanimously adopted.

CORRESPONDENCE.

A letter was read from Mr. G. A. Toeher, Secretary of the London Pharmaceutical Committee, forwarding a copy of a resolution passed by his Committee recently. The resolution urged upon the Society the necessity of representing to the responsible authorities that pharmacists be demobilised as soon as possible in view of the needs of the pharmaceutical service.

FINANCE COMMITTEE.

The report of the Finance Committee submitted by the Secretary showed that since the last meeting the receipts under the General Fund had amounted to 1,359*l.* 15*s.* 2*d.*, and had consisted of the following items:

Penalties and costs, 34*l.* 1*s.*; "Journal", and publications, 57*l.* 16*s.*; school-fees, 102*l.* 4*s.* 8*d.*; registration-fees, 90*l.* 6*s.*; restoration-fees, 3*l.* 3*s.*; rent to Michaelmas, 40*l.* 5*s.*; subscriptions, 32*l.* 0*s.* 6*d.*; and loan from Benevolent Fund, 1,000*l.*

There was an adverse balance at last meeting amounting to 128*l.* 14*s.*, which, with payments ordered at last meeting, brought the total amount of indebtedness under the General Fund up to 1,687*l.* 15*s.* 6*d.* Receipts during the month having amounted to 1,359*l.* 15*s.* 2*d.*, there was an adverse balance at date of the meeting of the Committee of 328*l.* 0*s.* 4*d.* To this has to be added payments ordered at that meeting to be made amounting to 2,238*l.* 11*s.* 5*d.*, bringing the total adverse balance up to 2,566*l.* 11*s.* 9*d.* The balance under the Benevolent Fund (Donation Account) amounted to 49*l.* 13*s.* 7*d.*, and that under the Benevolent Fund (Current Account) 694*l.* 13*s.* 7*d.* The Committee recommended that 2,000*l.* be borrowed from the bank.

The TREASURER (Mr. Bilson) moved the adoption of the report.

Mr. DEAKIN pointed out that until recently the usual statement in regard to the finances had been placed in the hands of every member of the Council at the meeting following that of the Finance Committee, and he desired to know why that good custom had been dropped. The Finance Committee, he reminded the Council, represented every other Committee, and not only every Committee but the entire interests of the Society from a financial point of view.

Mr. HINES mentioned that some months ago he submitted a motion bearing directly on the point raised by Mr. Deakin, but it was refused by the then Secretary.

The Secretary replied that he was not aware of any custom having been departed from in the way indicated, but he promised to make the necessary investigations, and if these satisfied him that any departure had been made from the former procedure he would endeavour to revert to the previous practice. So long as there were three or four Committees meeting in the afternoon immediately in front of the Council-meeting it was impossible for such reports to be submitted to the Council as one would like. Any particulars originally given in the agenda would be given in the future.

The report was adopted.

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BENEVOLENT FUND.

The report of this Committee stated that several applications for assistance had been received and grants amounting to 30*l.* had been recommended. It was further recommended that the eight annuitants to be elected on December 10 should each be paid one quarter's allowance to Lady Day 1919.

WAR AUXILIARY BENEVOLENT FUND.

The report of this Committee stated that the Secretary's report showed subscriptions received to the amount of 2,777*l.*, 2,000*l.* of which had been placed on deposit at the bank. The Chairman (Mr. Parry) reported the receipt of several additional contributions which very materially increased the total sum received. The Secretary reported the receipt of a letter from Sir Jesse Boot stating that he had decided to subscribe 3,000*l.* to the War Auxiliary Benevolent Fund. Roughly speaking, they had six hundred shops, and the contribution was given on the basis of 5*l.* per shop. He was arranging to forward 5*l.* to each one of the branches, to be paid into the local funds, at the same time stating that if they had not already subscribed to the Fund he would leave it to them, according to their inclination and ability, to add a subscription to the 5*l.* The Committee recommended that the Secretary be instructed to send a letter expressing their cordial appreciation for the generous arrangements proposed, and further directed that the nature of the practical support given by Sir Jesse should be brought to the notice of the other companies having numerous branches. It was further recommended that the list of subscriptions be published week by week. Recommendations were made in the following cases:

A registered apprentice of the Society invalided out of the Army who desires to take full-time course, but has no means, a grant not exceeding 31*l.* 10*s.*

A student, aged twenty-two, received into a sanatorium, whose maintenance would cost 35*s.* 5*d.* per week, a grant not exceeding 10 guineas be made to meet the cost of maintenance for the ensuing month.

It was reported that the Resident Secretary in Scotland had made all necessary provisions for securing the wholehearted support of Scottish pharmacists for the objects of the Fund. It was arranged that Mr. Hines should visit the Middlesbrough Association to explain the objects of the Fund.

Mr. PARRY, moving the report, said that at the time the agenda was prepared the total subscriptions had reached a record of 2,777*l.* The subscriptions were now coming in very well, for up to that morning they had amounted to 4,050*l.*, and with the very handsome donation of 3,000 guineas by Sir Jesse Boot the amount had then reached 7,200*l.* At that moment he could see promises coming from different parts of the country amounting to considerably more than 10,000*l.* Reading reports of meetings that had been held, there was only one argument that was heard in different parts of the country against the Fund, and that was that the Government ought to do the work the Fund was to cover. One wondered sometimes whether that argument was not carried a little too far. There were many things that the Government ought to do which, perhaps, would not be in anyone's interests. The Government had commandeered the manhood of the country, and it might be argued that it should also commandeer the wealth of the country. There were men who believed that if the Government had done this there would have been nothing to ask for to-day. What surprised him in connection with meetings he had attended was not meanness but gratitude. Wherever one went the main question asked was, "How much do you want? Just tell us how much you want and you can have it." They were endeavouring to raise the large sum of 50,000*l.* He thought that amount could be easily reached if only the chemists of the country realised the demands that were likely to be made upon the Fund.

Mr. HINES said there seemed to be confusion in the minds of some chemists in regard to disabled soldiers and sailors, and he hoped the idea that there was no need to subscribe to the Fund would speedily be scotched.

Mr. PARRY, supplementing his remarks, said the intention of the moment was simply to publish the list of subscriptions as these come in. Later on it was hoped to announce the total amount each Association would contribute, and to give proper cognisance to each local effort. For instance, some Associations had really been handsome in their donations. They had from Manchester subscriptions amounting to between 600*l.* and 700*l.* He had promises from Liverpool amounting to 500*l.*; while from the Bournemouth—a very small Association—they had 200*l.* With regard to Scotland, he had letters from various parts of Scotland which showed that everywhere Mr. Rutherford Hill was loyally supporting the Fund, and that the Scottish chemists were responding most liberally.

Mr. SKINNER said there was an impression in the minds of some that the national scheme for the relief of disabled soldiers and sailors had some bearing on the Fund of the Society. He thought an effort should be directed to make it perfectly clear to those to whom the appeal was to be made that the Society's Fund had nothing whatever to do with any other scheme; that it was distinctly one for the benefit of pharmacists who had served in the Army or Navy.

The report of the Committee was then unanimously adopted.

LIBRARY AND HOUSE COMMITTEE.

The report of this Committee stated that application had been made by the University of Bristol for the recognition of its school certificate. The Committee recommended that the certificate be accepted subject to its covering the subjects specified in the Society's Regulations. It was recommended that the examinations for the Jacob Bell and Manchester scholarships, which had been suspended during the war, be resumed in June 1919. The action of the Committee in appointing Miss Winch as a Junior Demonstrator in Chemistry as from November 1 was approved.

Mr. WHITE moved the adoption of the report, and, in reply to a question from the Treasurer, Mr. White said nothing has been done with reference to the suggestion to have a board on which would be permanently recorded the names of those connected with the Society who had served in the Forces during the war.

The report was adopted.

PARLIAMENTARY COMMITTEE.

The report of this Committee recommended that the next meeting of the Council be postponed to January 8, and that the concession in regard to subscriptions granted to members and student associates serving with the Colours be continued for the year 1919. It was further recommended that the President be authorised to convene a special meeting of the Council during December or January if necessary. The Secretary had reported the progress of negotiations regarding the pharmaceutical service in the Navy, and the Committee recommended that the medical department of the Navy be informed that a certificate would be issued to sick-berth stewards, who had undergone the training indicated and passed the Qualifying examination, that they had so passed and would be eligible for registration as chemists and druggists without further examination upon completion of the required training in the retail business.

The Secretary explained that the new by-laws had all been submitted to the Committee the previous evening. The report of the Committee was adopted, and on the motion of the President the by-laws were taken as read a first time. It was explained that the special meetings referred to would not be called unless absolutely necessary.

PARLIAMENTARY FUND COMMITTEE.

The report of this Committee stated that application for a grant had been received from Mr. Norman Blacow, of Lancaster, who is standing as a candidate for Lancaster. The Committee reported that it had decided to support and assist Mr. Blacow. [This candidate was, however, not nominated.—ED.]

The report was discussed in private, but ultimately it was adopted.

LAW COMMITTEE.

The Secretary submitted the report of this Committee, which contained a reference to the Army Council Order, in which it was stated that Army nurses and similar women's organisations cannot properly be described as "members of His Majesty's Forces." A discussion took place in regard to the prosecuting authorities in cases of contraventions of the Order.

A WHITLEY COUNCIL FOR PHARMACY.

Mr. JENKIN moved:

That the Council shall consider whether it is feasible to form an Industrial Council for Pharmacy upon lines similar to those indicated in the Whitley Report, and, if so, what should be the interests to be covered by such a Council.

He directed the attention of the Council to the action taken with regard to Industrial Councils throughout the country, and suggested that the subject should be taken up by the Council of the Society, so that something might eventuate in the interests of pharmacy. Two or three years had elapsed since he began, in a sense, to consider the subject. It would be remembered that Mr. C. A. Hill, as President of the Pharmaceutical Conference, brought up the question of a possible *rapprochement* between the wholesale and retail sections of pharmacy, and some months ago he personally submitted to a few members of the Council a proposed notice of motion taking that phase of the matter into consideration. His idea then was that they might consider

the establishment of something of the nature of a Chamber of Trade and Research. But the publication of the Whitley Report had very much enlarged his views of all phases of the subject, and in his opinion had brought the whole question not only into the theoretical but the practical foreground in politics. The relations between employers and employed was one portion of the question which he had not previously considered, but it was one which was emphasised by the Whitley Report. That Report insisted upon a definite and proper organisation co-existing not only as between employers and employed, but between various sectional interests of every trade involved, and provided for the formation of reconstructive Councils, district Councils, and ultimately national industrial Councils, and the setting up of machinery for the settlement of all trade questions by negotiation whenever and wherever possible. It also provided for the encouragement, the co-operation, as well as the extension of business, by the co-ordination of systems, by educational schemes, and by provision for organised research. The setting-up of an Industrial Council for Pharmacy, it appeared to him, would include all pharmaceutical interests. And if these interests were to be covered in a proper and comprehensive manner he regarded it as a foregone conclusion that the Council of the Society must take the matter in hand, they being the officially reoognised body whose sole business was to protect the pharmaceutical side of the chemist's and druggist's business. It must be evident to everyone that drastic changes are imminent in trade relationships, and among those which interested them most was the supply and distribution of medicines and medicinal comforts to the public. These changes were apparent from the proposals which were emanating from many quarters as to regulating various types of medicaments and pseudo-medicaments. As instances of various proposals he might mention the Report of the Departmental Committee on Secret Remedies, the treatment of venereal diseases, the Ministries of Health Bill, and so far as it affected the supply of medicine and the proposal for improving the dispensing conditions in the Army and Navy. When these propositions were being considered, sectional interests were almost certain to clash, and their settlement by conference would probably be attempted, even if special machinery was to be set up for each and every occasion. To obtain satisfactory legislation and adjustment of position before it became public property would not only lessen the chance of eleventh-hour bargaining with its concomitant repentance, but would obtain the sanction and support of all sections on an agreed policy, while the weight of numbers would be added to its other advantages. He submitted to the Council that they could no longer follow the "lone trail," but must be prepared and willing not only to co-operate with, but to invite co-operation from, all those whose livelihood depended upon the practice of pharmacy. He had drawn up a rough list of some of those interests. Of many of these he was doubtful; some of them had only remote claims for consideration; but, imperfect as the list was, it might serve his present purpose—the wholesalers represented by the Drug Club, the Fine Chemicals Association, the Proprietary Articles Trade Association, the corporate chemists, public pharmacists, the wholesale and retail assistants, represented by the various trade unions, secondary interests such as the makers of pills, tablets, lozenges, soaps, disinfectants, clinical thermometers, glassware, surgical instruments and appliances, photographic chemicals, etc. He also thought they might include growers of drugs and perhaps refiners of oils. The British Pharmaceutical Conference had done yeoman service in the cause of scientific chemistry and pharmacy, and pointed the way to its inclusion as representing that most important part of their business—namely, the continuous and systematic research required for its improvement and expansion. A pharmaceutical Chamber of Trade without an equal partnership with the scientific side on which it depends perhaps more than any other trade was unthinkable, while the ties between pharmaceutical and other forms of analytical and synthetical chemistry are so close as to require no demonstration. The Whitley Report suggested that Councils set up should be rather consultative than legislative, though where interests were agreed in the framing of regulations and agreements with or without penalties they might easily acquire the same legislative authority.

Mr. Deakin, in seconding the motion, said that, although he did not follow altogether the lines of its proposer, he regarded it as not only the privilege but also the duty of the Council to take the whole matter into consideration, to deliberate on all the points raised by Mr. Jenkin, and to decide if possible what interests should be covered by such a Council as the one proposed.

Mr. Rowsell supported the motion.

With the consent of his seconder, Mr. Jenkin agreed that the motion be amended to the effect that the whole subject be referred to the Reconstruction Committee for consideration and report; and in its amended form the resolution was unanimously adopted.

Report on Demobilisation.

The Secretary submitted the following report:

The Society, as a result of negotiations which had taken place in anticipation of a cessation of hostilities, and which the Council were not at liberty to report, received on November 12 a letter from the Ministry of Labour, stating that the Ministry agreed to appoint an Advisory Committee to consider applications for, and advise on questions of priority of release in the case of those who were formerly engaged in pharmacy. The composition of the Committee was given as follows:

Pharmaceutical Society representing Great Britain, the North British Branch, and wholesale druggists and multiple shops, six members; Pharmaceutical Society of Ireland, one member; Local Government Board, one member; National Health Insurance Joint Commission, one member; Ministry of Labour, one member; War Office, one member.

The Council at its meeting in November, in anticipation of receipt of such a request, had nominated the President, Vice-President, and Mr. Skinner as the Society's representatives, and had authorised the Secretary to approach the Public Pharmacists' Association with a view to their nominating a representative. Mr. A. H. Jenkin was appointed to act on their behalf. The Drug Club nominated Mr. R. M. Harvey, and the Drug Companies Association Mr. T. M. Liddle as their representatives. The Committee met on December 2, when preliminary arrangements were made for the conduct of the business of the Committee. Mr. W. S. Glyn-Jones was appointed Chairman of the Committee, and two Secretaries were appointed to act jointly—Mr. Mallinson on behalf of the Council and Mr. Scott (acting *pro tem.*) for the Ministry of Labour. The Government representatives explained that no date had been fixed for general demobilisation, and that in the meantime only a very small number of men of a "pivotal" character was being released. The business of the Committee would be to decide upon the general lines which demobilisation of pharmacists and other assistants are to take, and then to advise upon the actual distribution of these men.

The report was adopted.

This was all the public business.

Capturing German Pirates.

The "Daily Telegraph" publishes the following contribution to the history of U-boat hunting:

The Admiralty had been baffled in their efforts to locate the lair of a group of submarines which were operating off Land's End and in the Bristol Channel. At last it fell to the lot of a private lady to solve the problem. While spending a holiday on the coast the lady was unwittingly induced to offend against "Dora." Attracted by a picturesque spot on the coast, with a beautiful stretch of sea, bounded on each side by a projection of rugged rocks, she determined to take a photograph of the scene. The negative was left at a local chemist's shop for development. She was asked to return in a few days, and when she again called the chemist had many inquiries to make from her about the locality of the photograph and her object in taking it. She was told to wait a few days longer. In the meantime a communication arrived from the Admiralty, requesting the lady's presence at Whitehall, and enclosing a railway pass. Surprised at the invitation, the lady decided to break her holiday and proceed to London. She first called on the chemist, and was then astonished to learn that her photographic plate had been sent to the Admiralty. Forebodings of impending trouble dawned upon her. At the Admiralty she was closely questioned, and informed that she had committed a breach of the Defence of the Realm Regulations. The innocent lady was, however, greatly relieved and astonished when the officials thanked her for having rendered a "great service" to the State. "Do you see these spots in the photograph?" she was asked. "Perhaps you don't know what they are. Well, we don't mind telling you they indicate German submarines lying at the bottom of the creek, and we have bagged the lot." What was the actual fate of the U-boats remains to be told in the official narrative, but it may be stated that the take was one of the best of the war. It appeared the particular spot had been repeatedly photographed, but the results were never satisfactory, until the lady, aided by a favourable light, "snapshotted" the precious bunch. She was rewarded in the sum of 50*l*., which was promptly handed over to the Red Cross, and 20*l*. was sent to the vigilant chemist.

Associations' Winter Session.

Cambridge.—The annual meeting of the Cambridge Pharmaceutical Association was held on November 29, Mr. J. Evans presiding. The Treasurer's balance-sheet and the Secretary's report were adopted. Mr. S. J. Parson was elected *President* for the ensuing year, and the other officers and the Committee were re-elected. A hearty vote of thanks was accorded to the retiring President, Mr. A. S. Campkin.

Cardiff.—A general meeting of the Cardiff Pharmacists' Association was held at the Queen's Hotel, St. Mary, on November 27, Mr. J. Murray (President) in the chair. A discussion took place on territorial representation, and it was the general opinion that nothing could be gained in altering the mode of election of the Council. The position of the Local Associations Executive was discussed, and it was unanimously resolved that the Executive be continued as at present, but that the method of its election be reconsidered. Mr. Hagon mentioned that classes for pharmaceutical students had been started in Cardiff. The report on work done on behalf of chemists under the Military Service Act was postponed. The War Auxiliary Benevolent Fund was discussed and a wire from Mr. Moreton Parry was read. It was decided to hold a "victory dinner" on December 11, at the Queen's Hotel, when it is hoped to have a good attendance of members. Ladies are to be invited.

Chester.—The annual meeting of the Chester Pharmacists' Association was held at the Blossoms Hotel on November 28, Mr. David Dickinson (President) in the chair. Mr. Kenneth Dickinson, F.C.S., Ph.C., presented the annual report, and the executive officers were unanimously re-elected. The decision in regard to early closing was ratified, the hour of closing being 7 P.M., with the exception of Wednesday (1 P.M.) and Saturday (8 P.M.). A discussion took place on Mr. Hugo Wolff's "Square Topics." The proposal to increase members' subscriptions to the Society and the fact of the voting on the question of railway fares elicited some caustic comments and suggested lively times ahead for the Bloomsbury Council. The question was raised whether the members adopted this method of travelling when on their own private business, and, if not, why not? Also whether, in view of the usual altruistic spirit displayed in the addresses of Council candidates, it is consistent to burden the Society with unnecessary expense at a time when its present funds are admittedly inadequate. It is not overlooked that much valuable time is given by these gentlemen for the common good, but neither is it forgotten that the assumption of these duties is quite voluntary on their part, and, unless they can perform them without incurring unnecessary expense, they should stand down in favour of men whose conception of dignity and standard of personal comfort is more akin to that of the men they represent. The general opinion was that the "Square" has got to open its doors and windows for free admittance of light and air.

Edinburgh.—The second meeting of the forty-first session of the Edinburgh Chemists', Assistants', and Apprentices' Association was held in the Pharmaceutical Society's House, 36 York Place, on November 27, Mr. Henry Stout, Ph.C. (President), in the chair, when Mr. W. L. Thomson, B.Sc., read a paper on *The Taking of Melting-points*, in which he gave some practical hints from laboratory experience, incidentally mentioning an objection to the general B.P. method for the drying of substances prior to determining the melting-point by placing on a water-bath for fifteen minutes: for example, salol (m.p. 42° to 45° C.), cocaine (m.p. 98° C.), menthol (m.p. 42° to 43° C.), phenol (m.p. 39° to 40° C.). The paper was illustrated by apparatus and practical determinations. Miss Findlater then read a paper on *Potassium Iodide and Ether Mixture*. The following prescription, she said, was recently dispensed by a chemist:

Potass. iodid.	ʒi.
Pot. bicarb.	ʒi.
Ammon. chlor.	gr. xxx.
Sp. ætheris...	ʒi.
Aquam ad...	℥vj.

Misce.

Almost immediately a yellowish coloration developed which in about fifteen minutes became golden brown. This coloration only takes place on the addition of the spirit of ether, which was, therefore, assumed to be the cause of the decomposition. The brown coloration was found to be due to the presence of free iodine. When ether is exposed to light, peroxides are formed, and it is well known that peroxides liberate iodine from potassium iodide. The trouble, therefore, was traced to the ether and probably to bad storage of the ether. If the mixture was allowed to stand the colour gradually disappeared in six hours, and the mixture became and remained water white. This may be due either to the iodine combining with the potassium of the potassium bicarbonate to form potassium iodide, or to the iodine combining with the ethyl alcohol of the spirit of ether in the presence of potassium bicarbonate to form iodoform. As no odour of iodoform was perceived it is probable that the first reaction is the one actually taking place. Dispensing the same prescription with a fresh supply of ether, the mixture remained water white, showing that a pure ether does not give rise to the liberation of iodine. This note emphasised the B.P. direction that ether should be stored in a cool, dark place. After an interesting discussion, a cordial vote of thanks was awarded to the authors of the papers.

Essex.—A Committee-meeting of the County of Essex Association of Pharmacists was held on November 28, when an account was given of the appeal for donations toward the War Auxiliary Benevolent Fund. The President (Mr. C. Rundle) pointed out that the amount subscribed by the county to date was a little disappointing, and urged every member of the Committee to make it a personal matter to call upon all brethren, impressing upon them the need of subscribing to the Fund. The adjourned discussion upon the organisation report was resumed, and the following resolution was carried:

That the Essex Pharmaceutical Association request the Pharmaceutical Society at the Conference to be called in the New Year to consider the pressing need of an affiliated organisation to safeguard the trade interests of pharmacists, including matters referred to in the Whitley Report, and suggest that Associations be asked to send their delegates with a mandate upon the same.

It was also decided to draw the attention of the Proprietary Articles Trade Association once more to the amount of trading in foods by Maternity and Children's Welfare Committees. The President and Secretary of the Pharmaceutical Society were elected *ex-officio* members of the Association.

Flintshire.—The first annual dinner of the Flints Pharmacists' Association was held at the Queen's Hotel, Rhyl, on November 27. Mr. Percy J. Ashfield (President) occupying the chair. The majority of the Rhyl pharmacists were in attendance, and representatives from Flint, Prestatyn, Holywell, Shotton, and Connah's Quay. A most enjoyable evening was spent, and subjects relating to the craft were discussed, the exchange of views on matters pharmaceutical contributing not a little to the feeling of good comradeship which prevailed.

Lancaster.—A special meeting of the Lancaster Pharmacists' Association was held at the Grand Hotel, Morecambe, on November 27, Mr. H. Troughton (President) in the chair. Mr. F. N. Whitehead opened a discussion on *Face-values*. In no other trade, he said, was there such variation of prices, and he advocated fixed prices on all proprietary goods. The Face Values Committee had done valuable work, and had now joined hands with the Proprietary Articles Trade Association. While face-values were maintained the ratio of profit should remain the same. Elliman's embrocation supplies were also the subject of discussion, and a strong resolution was passed approving of the action of the P.A.T.A. in refusing to handle the embrocation till grievances were redressed. It was decided to fall into line with other traders, and close for three days if possible at Christmas. Mr. F. Pilkington Sargeant then gave an address on *Present Pharmaceutical Problems*. He said the Council were able to tackle all questions affecting trade; hence their recent action regarding spirit, honey, glycerin, bromides, etc. They had carried out delicate negotiations with the Insurance Commissioners. Although the increase in remuneration for Insurance dispensing was a small one, they should be able to obtain a more adequate remuneration during the coming year. He explained the reason for leaving Latin out of the Preliminary examination was that it was not taught in many schools. The Qualifying examination was to be divided into two parts and taken at different periods in sections for scientific and practical. Candidates would now get credit for every subject in which they passed. Regarding the curriculum, he considered it very important that there should be a comprehensive course of training for pharmacy. Previously there had been too much examination and too little training. He agreed that there should be a modified examination for the man who had been serving with the Forces. Assistance would be given to disabled men, who would be sent to approved schools of pharmacy for twelve months and examined. Mr. Sargeant also referred to the scheme of organisation, stating they required to modernise methods. Territorial representation was the great desideratum. He suggested seven areas He also commended

the objects of the War Auxiliary Benevolent Fund. An excellent discussion ensued, and hearty thanks were accorded. Mr. Norman Blacow (the Discharged Service Men's Parliamentary candidate for Lancaster) took part in the discussion.

London (S.E.).—The South-East London Chemists' Association met at Maitland House, on November 26, Mr. C. Happold (Vice-President) in the chair. Mr. T. E. Lescher gave an instructive address on drug and chemical shortage, which was listened to with great interest by upwards of thirty members. It dealt with the many phases of drug and chemical supply during and before the war, and in conclusion Mr. Lescher reminded his audience that there had been high prices but, with one or two important exceptions, no shortage. A hearty vote of thanks was accorded to Mr. Lescher. It was resolved to support the endeavour to have the present temporary Early-Closing Order made permanent on the Statute-book. It was further agreed to recommend to the London County Executive, that fixed minimum prices should be set up in the London area for clinical thermometers according to grade.

London (W.).—A meeting of the Western Pharmacists' Association was held at 316 Regent Street, W., on December 4, the President (Mr. C. A. Noble) in the chair. After routine business had been transacted and the Glaxo Cup (won by the "Western" bowling team) exhibited, an announcement was made of the Hammersmith and Fulham social evening to be held on January 2. The President then called on Mr. W. S. Glyn-Jones, Secretary of the Pharmaceutical Society, to address the meeting. By way of preface, Mr. Glyn-Jones referred to the unopposed return that day of Mr. W. J. U. Woolcock as a Member of Parliament, and paid a high tribute to the work that Mr. Woolcock had done for pharmacy. Passing to current topics, he said that during the war the Pharmaceutical Society had had to carry on, and its recent record must be judged in the light of that fact. We had been living, as it were, too close to events. He repeated the suggestion he had made at Manchester (*C. & D.*, November 23, p. 47), that a record might be made by every Pharmaceutical Association of its corporate and its individual activities during the war, such record to include a roll of honour with photographs. He outlined the plans of the Demobilisation Committee of the Pharmaceutical Society for obtaining the release of "pivotal" and other men, the steps taken by the Society with regard to the Qualifying examination and the curriculum, and the arrangements made for the study of pharmacy by men still serving with the Forces. It was impossible to forecast the future. The conditions of pharmacy in Great Britain might, sooner or later, approximate to those now obtaining in Ireland, and eventually the State might step in and define the boundaries of pharmacy, medicine, and other professions. Questions were invited, and a discussion followed, in which the President and Messrs. J. D. Marshall, W. Browne, J. P. Ellerington, W. E. D. Shirtliff, and I. T. Lloyd took part, their inquiries being directed to such points as the length of the demobilisation period and hours of labour. To each of these speakers Mr. Glyn-Jones briefly replied. A vote of thanks was carried by acclamation.

Newport.—A meeting of the Newport (Mon.) Pharmacists' Association was held on November 26, Mr. Benson Harries (President) in the chair. Various points from the Council-meeting were discussed, and suggestions by the Local Associations Executive for the improvement of the 1919 Tariff were welcomed. The Secretary was requested to protest against the proposal of the Insurance Committee to adopt the single prescription-form. A vote of condolence was passed with Mr. T. Lewis, who is ill.

Progressive Pharmacy Club.—On November 26, Mr. Manning Keer, Sheffield, gave the last of the business lectures. Two of them had had to be suspended and will probably be arranged early in the New Year. The lectures are now being collated, and some publication on commercial pharmacy may result. The attendance at the lectures has been fairly good, only the last two or three showing any falling-off. The Committee feel amply repaid by the great interest shown.

Script Sports Club.—The presentation of the Glaxo cup to the winning team of the bowls tournament arranged under the auspices of the Script Sports Club took place on November 28 at the Progressive Pharmacy Club. Over eighty, including ladies, were present. After light refreshments had been served in the Club Room, an adjournment was made to the Drawing Room, where a concert had been arranged by Mr. Duncan Bowie, the Northern skipper. Half-way through Mr. Skinner presented the trophies, the winner of the Glaxo cup being the Western Association, and the skipper, Mr. Widgery, accepted it on their behalf. The singles championship, a pair of bowls presented by the Editor of "The Script," was won by Mr. Wilson, of the Eastern Association, the runner-up being Mr. James (for the second year in succession), who received an attaché-case presented by Duncan, Flockhart & Co. The Eastern trophy was presented by Mr. A. R. Keith, being won this year by Mr. S. C. Goode. The contributors to the concert were Miss Maconie, Miss Widgery, Miss Wilkinson, Miss Attwell, Miss Goode, Miss Bowie, Mrs. Payne, and Messrs. Bowie and Widgery. The cup was filled and passed round, the evening concluding with the National Anthem.

Stoke-on-Trent.—Mr. J. W. Deakin addressed the North Staffs Chemists' Association on *Current Pharmaceutical Topics* at the Town Hall, recently. He said that much of the Council's work was done by Committees negotiating with Government Departments, and it was not always advisable to make public these negotiations until they were completed. Speaking of the war, he said we must not miss any opportunity of showing our gratitude to the men who had saved us. We were now confronted with the difficult task of reconstruction, and we must try to seek out essentials and pull together. Some pharmacists seemed to be in doubt whether the Society was the proper body for dealing with trade questions. But what was a trade question? Take Insurance dispensing. The sale of the drugs was a trade matter, but the dispensing was a matter strictly within the Society's jurisdiction. The Society had to take a wide view of these matters. Mr. Deakin favoured the division of the "Minor," which name should be changed to "Qualifying examination." Organisation first became effective after the work of the Organising Secretary helped by the National Health Insurance Act. What they aimed at was "that the humblest pharmacist in the country might feel that he had a voice in pharmaceutical affairs." The members present, notably his friend Mr. Edmund Jones, late Secretary of the Federation of Local Pharmaceutical Associations, knew what a difficulty there was in getting just territorial representation. They had first tried a population basis, but that had left large thinly populated areas unrepresented. He now thought that the areas covered by the Insurance prescription-pricing bureaus might form a practical solution of the problem. After dealing with other work of the Council, Mr. Deakin said chemists were threatened with a Ministry of Public Health, and the Society would use every endeavour to see that pharmaceutical affairs were in the hands of pharmacists. Demobilisation was also at hand. We wanted men with statesmanlike minds to carry out this business. The War Auxiliary Benevolent Fund was not to take any responsibility off the Government but to supplement its action. A discussion followed, and the following resolution was carried: "That this Association, after hearing the excellent address by Mr. Deakin, desires to express its hearty appreciation of the efforts and work of the Pharmaceutical Council, and recognises its desire to promote a progressive policy; and particularly recommends united support of the Council in accordance with the principle of the Whitley Report." Mr. T. C. Cornwell, Ph.C. (Hanley), who seconded the vote of thanks to Mr. Deakin, said that the latter had shown by his address that he was a deep thinker. He thought a little more publicity on the part of the Society's doings would be better for all concerned. A vote of condolence with Mr. Hankinson (Uttoxeter), Vice-President, on the sudden death of his wife, was carried. The letter from the Devon Pharmaceutical Association regarding reduced discounts on Allen & Hanburys' goods was discussed, and it was decided that the next meeting should be a smoking-concert held as soon after Christmas as possible.

Women Pharmacists.—The London Association held its first meeting at Dr. Williams' Library, Gordon Square, on November 27. The chair was taken by Miss Buchanan (President of the National Association), who explained the procedure to be adopted in forming the group. It was decided that the Committee should consist of twelve members. All nominations must be sent before December 11 to Miss Braithwaite, 18 Warren Road, Chingford, E.4.

NITRATE OF SODA, according to an agricultural expert, is the best of all fertilisers for carrots.

MR. JOS. FLACH, drug-merchant, announces that on and after December 30 his new address will be 64 Mark Lane, London, E.C. 3. 'Phone number: Avenue 4211.

MESSRS. F. CHIESMAN & CO., 59 St. Mary Axe, London, E.C. 3, announce that they have taken into partnership Mr. W. P. Formoy and Mr. P. W. Cornish, who have been associated with the firm for many years.

Trade Report.

42 Cannon Street, E.C. 4, December 5, 3 p.m.

BUSINESS has continued extremely quiet so far as the home trade buying is concerned, and a downward tendency is still evident among many products. Export trading continues brisk, however, especially in heavy chemicals like caustic soda, bleaching-powder, soda ash, etc. Citric and tartaric acids and cream of tartar are more or less cheaper. Epsom salts, phosphate, and acetate of soda have also declined. Among other chemicals which have also moved in favour of buyers are bromides, phenolphthalein, potash permanganate, potash sulpho-guaiacolate, milk-sugar, methyl salicylate, and chloral hydrate. Prices of glucose have been fixed, but there is nothing offering on the open market. Lemon, bergamot, and orange oils are all firm, with a rising tendency, particularly lemon. Castorum was lower at auction, meeting with little demand. Cottonseed and rape oils are dearer. Coriander- and fenugreek-seeds are lower; cumin and fennel are steady.

Higher	Firmer	Easier	Lower
Calcium lactate	Borgamot oil	Citric acid	Canary-seed
Cottonseed oil	Orange oil	Clove oil	Caraway oil
Ergot		Cloves	Castorum
Lemon oil		Dill-seed	Chloral hydrate
Rape oil		Epsom salts	Coriander-seed
Saccharin		Gum acacia	Cream of tartar
		Lime-juice	Farina
		Liquorice-juice	Fenugreek-seed
		Mace	Glucose
		Phenol-phthalein	Isinglass
		Saffron	Lithopone
		Soda acetate	Milk-sugar
		Tartaric acid	Pepper
		Terpineol	Petrol
			Petroleum
			Pimento
			Potash bromide
			Potash permanganate
			Potash sulpho-guaiacolate
			Saffron
			Soda phosphate
			Vanillin

Cablegram.

NEW YORK, November 30.—Business in drugs is fair. Menthol is dearer at $5.60. Peppermint oil in tins is lower at $5.00, and balsam peru has been advanced to $3.40. Bromides are lower; granular potash is now $1.10 and crystals $1.20; ammonia is 70c., soda 60c., and strontium 60c. per lb.

ACETATE OF LIME.—The imports of acetate of lime into the United Kingdom during the past five years have been as follows:

	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
United States of America ...	27,191	51,283	84,938	55,585	8,606
Other Foreign Countries ...	10,062	6,372	6,072	7,981	3,932
Total from Foreign Countries	37,253	57,655	91,010	63,566	12,538
Canada	62,329	26,656	10,257	4,568	30,643
Total	99,582	84,311	101,267	68,134	43,181
	£49,342	38,919	84,238	146,873	107,793

ACETONE.—The imports of acetone into the United Kingdom during the past five years have been as follows:

From	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
Germany	8,619	4,570	—	—	—
Austria-Hungary	13,600	4,202	—	—	—
United States of America...	15,924	33,453	107,674	46,821	100,415
Other Foreign Countries ...	434	40	—	—	—
Total from Foreign Countries	38,577	42,265	107,674	46,821	100,415
Canada	7,830	4,939	7,880	4,503	25,029
Total...	46,407	47,204	115,554	51,324	125,444
	£152,635	138,813	124,877	293,219	770,570

ACID CALCIUM PHOSPHATE.—It is anticipated that makers will shortly be able to offer larger quantities. Dealers have limited quantities to offer at about 153*l.* per ton.

ALCOHOL.—So far no change has been made in the price of rectified spirit, but a reduction is looked for ere long. The same applies to industrial and mineralised methylated spirit.

ANISE is quoted 77*s.* 6*d.* to 80*s.* per cwt. for Russian and 110*s.* to 120*s.* for Spanish, but no business has been reported.

ARSENIC.—The trade demand is comparatively restricted, but offers are rather light, and the tone continues steady at about late rates. Best Cornish powder can be secured at 96*l.* to 97*l.* delivered London. Foreign descriptions are not coming in freely, and there is no immediate indication of a weakening market, although the tendency in the long run favours a lower range of prices.

ASPIRIN.—Still scarce for prompt delivery at about 17*s.* 6*d.* per lb.

BERGAMOT OIL is firmer at from 23*s.* 6*d.* to 24*s.* 6*d.* per lb. on the spot, and 26*s.* to 27*s.* c.i.f. to come forward.

BROMIDES.—A considerable reduction took place in the United States last week (see New York cable). Importers now offer potash at 6*s.* 4*d.* per lb. on the spot, and we understand that limited quantities of Government imported will be available at 5*s.* 10*d.* for granular and 6*s.* 4*d.* for crystals; soda at 5*s.* 3*d.* to 5*s.* 6*d.* and ammon. 5*s.*

CALUMBA.—Sales of 10-bags lots of fair natural sorts are reported at 350*s.* per cwt.

CANARY-SEED is steady at the decline. Ordinary to good Morocco is quoted 310*s.* to 315*s.* per quarter, and Spanish 320*s.* to 330*s.* for fair to good.

CARAWAY OIL is cheaper at 22*s.* per lb. for Dutch.

CARAWAY-SEED.—A few bags of Tunis might be obtainable at 230*s.* to 235*s.* per cwt., being steady.

CASTOR OIL.—The price of Hull make of medicinal quality is 110*s.* per cwt. naked. There has recently been an advance in castor-seed of over 3*l.* per ton.

CASTORUM.—The annual auction was held on Wednesday, when 4,120 lb. was catalogued, of which 1,275 lb. was offered by the Hudson's Bay Co. Few buyers were in attendance, and only a few lots sold at much lower prices, including Hudson Bay YF, good dry firsts (27 lb.) at 72*s.*; pickings at 17*s.*; M R pickings 17*s.*; of Oregon, etc., firsts sold at 32*s.* to 42*s.*, seconds 16*s.* to 25*s.*, thirds 9*s.* to 12*s.*, pickings 6*s.* per lb.

CHAMOMILES offer on the spot at from 295*s.* to 320*s.* per cwt. as to quality.

CHLORAL HYDRATE is cheaper, duty-paid crystals offering at from 12*s.* 3*d.* to 12*s.* 6*d.* per lb.

CITRIC ACID is easier at 4*s.* 8*d.* per lb. on the spot.

CLOVE OIL is offered at from 18*s.* 6*d.* to 19*s.* per lb. from second-hands.

COD-LIVER OIL.—Newfoundland medicinal oil in New York is selling at $95 per barrel.

CORIANDER-SEED must be quoted considerably lower at 32*s.* 6*d.* per cwt. for old crop Morocco and at 40*s.* for new. The Board of Trade are in receipt of information to the effect that the exportation of coriander-seed from the French Zone of Morocco will be prohibited from May 1, 1919.

COTTONSEED OIL.—The official fixed price of crude has recently been advanced by 25*l.* per ton—*i.e.*, from 60*l.* to 85*l.* per ton—and refined American by 7*l.* 2*s.* 6*d.* to 102*l.* 2*s.* 6*d.* The restrictions on the export of cottonseed oil from the United States will (says Reuter) be modified so as to permit of the shipment of 100,000 barrels to Europe in the near future.

CREAM OF TARTAR is lower at from 395*s.* to 405*s.* per cwt. on the spot for 98-per-cent. powder as to seller.

CUMIN-SEED is quietly steady at 52*s.* 6*d.* to 55*s.* per cwt. for Morocco and at 67*s.* 6*d.* for Malta.

DILL-SEED.—Owing to absence of demand the price is easier at 57*s.* 6*d.* to 60*s.* per cwt. for ordinary to good East India.

EPSOM SALTS is easier at from 17*l.* to 18*l.* per ton for druggists' quality.

ERGOT remains scarce, and for some Spanish close at hand 6*s.* 6*d.* is asked; last business appears to have been done at 6*s.*

EUCALYPTUS OIL remains in good demand, and for 70-per-cent. and upwards 4*s.* 9*d.* has been freely paid. Arrivals comprise 810 packages and 933 cases.

FARINA is lower, with No. 1 Japanese offering at 75*s.* on the spot, a decline of from 5*s.* to 6*s.* per cwt.

FENNEL-SEED is unchanged at 50*s.* to 55*s.* per cwt., but with little doing.

FENUGREEK-SEED.—With holders pressing sales the price has continued to give way, with the result that 25*s.* per cwt. has been accepted.

GLYCERIN.—The announcement that the Italian and English Governments have cancelled their contracts for

,000 tons of dynamite glycerin for 1919 delivery has moralised the values of crude in the United States. here has been a decline in the price of soap-lye (80-per-nt.) to 25c., against 32c. to 34c. previously, while saponi-ation crude (88-per-cent.) has dropped to 28c., which mpares with 38c. to 39c. previously. The chemically pure rieties of glycerin (says the "New York Commercial") em safe from any violent fluctuations for the balance of e year, since the Government fixed price, for chemically ire, as well as dynamite, will remain at 58c. during ovember, and 56c. per lb. during December.

GLUCOSE.—By the Syrup, Liquid Glucose, and Molasses Prices) Order, dated November 18, prices have been fixed y the Food Controller. They are:

	Maximum Price at a rate per net cwt. (a) Syrup and Liquid Glucose	(b) Molasses
uncheon of a capacity of 11 cwt. or more, but not more than 14 cwt.	Less 3 % 58s.	45s.
Puncheon of a capacity of 7½ cwt. or more, but less than 11 cwt.	59s.	45s.
Puncheon of a capacity of 4½ cwt. or more, but less than 7½ cwt.	60s.	45s.
Puncheon of a capacity of 3 cwt. or more, but less than 4½ cwt.	62s.	45s.
rums of a capacity of 14 lb. or more, but not more than 112 lb.	65s.	45s.
ins or other usual containers packed in cases	Less 5 % 80s.	45s.

The above prices are for sales (other than sales by retail) y or on behalf of a manufacturer or refiner. There is, owever, practically no glucose to be had on the open arket for the moment for resale. The Ministry of Food ppear to give confectioners first call on supplies.

GUM SAGEPENUM.—Good clean tear, slightly blocky, is ffered in limited quantity at 5s. per lb.

HONEY.—On Tuesday, December 10, an auction of 980 ases Australian will be held.

ISINGLASS.—At auction 975 packages offered, but only a ew lots sold at a further drop. Penang purse was 1s. nd Saigon long leaf about 2s. lower.

LEMON OIL is firmer at 5s. 9d. to 6s. 3d. per lb. on the pot as to seller, and to arrive from 6s. 4d. to 6s. 7d. c.i.f. s quoted.

LIME-JUICE.—Fair arrivals have taken place, and the arket is easier at 4s. per gal.

LIQUORICE-JUICE.—Good Sicilian block is offered at from 45s. to 365s. per cwt. on the spot.

LITHOFONE is about 2l. per ton lower, American white ffering at 57l. per ton on the spot.

MENTHOL.—The nominal spot value of Kobayashi-Suzuki s 20s. 6d. per lb.

METHYL SALICYLATE is easier at from 6s. to 6s. 6d. per lb. according to quantity.

MILK-SUGAR is again cheaper, Dutch powdered offering at from 2s. 6d. to 2s. 9d. per lb. net on the spot.

ORANGE OIL is firmer at 14s. c.i.f. to arrive for Sicilian sweet, the spot price being about 12s. 6d.

OXALIC ACID is offered at 1s. 4d. per lb. delivered London.

PARALDEHYDE has an easy undertone at about 9s. per lb. on the spot.

PEPPER is lower, with spot sellers of black Singapore at 1s. 6d., Aleppy at 1s. 6½d., and Tellicherry at 1s. 7d. *White* is also cheaper, with spot sellers of Singapore at 3s.

PETROLEUM has been reduced by 2d. per gal. to 1s. 8½d. for ordinary refined American, and 1s. 9½d. for water-white.

PHENACETIN has a weak undertone at about 17s. per lb. on the spot, with a slight reduction for quantity.

PHENAZONE remains firm at from 55s. to 56s. per lb. on the spot as to seller.

PHENOLPHTHALEIN is easier at from 32s. 6d. to 35s. per lb. on the spot.

PIMENTO is lower, with spot sellers at 6½d. per lb.

POTASH BICARBONATE.—The English makers' prices are from 1s. 4d. to 1s. 5d. per lb. for B.P. quality.

POTASH BICHROMATE is quoted at 1s. 11d. per lb.

POTASH IODIDE.—The exports from Japan during August amounted to 10,790 kin, valued at 58,656 yen. During the eight months ended August 31 the shipments were as follows:

	1916	1917	1918
Kin	115,408	99,045	126,897
Yen	857,234	601,366	775,543

Of *crude iodine* 3,740 kin, valued at 24,180 yen, were exported during August, and the exports for the eight months ended August 31 were:

	1916	1917	1918
Kin	906	20,636	50,171
Yen	5,432	148,654	313,595

POTASH PERMANGANATE is offered at the lower rate of 11s. per lb. on the spot.

POTASH SULPHOGUAIACOLATE is offered at the lower rate of 63s. per lb. on the spot.

PYROGALLIC ACID is steady, with crystals offering at 16s. and resublimed at 17s. to 17s. 6d. per lb. on the spot.

QUICKSILVER.—The market is quiet, without special feature, and parcels outside of Government needs should be more easily obtainable. Our imports for ten months were only 1,077,460 lb., compared with 1,798,310 lb. for the same period last year, although the returns for October disclosed a fair increase at 74,850 lb. According to an Italian report, the Italian mines are expected to be permanently kept under Government control, a Bill having been laid before Parliament to this effect, so that the control which has already been enforced as a war measure will be retained.

RAPE OIL has been advanced by 9l. per ton to 75l. for crude, this being the official fixed price.

SACCHARIN.—The market shows a recovery from the recent depression induced by the end of the war, and, with a revival in the demand, dealers now offer American 550 pure at from 280s. up to 300s. per lb., duty paid, as to seller. In its issue of November 18 the New York "Oil, Paint, and Drug Reporter" states that throughout the market rumours of material priced as low as $9 per lb. for soluble saccharin are extremely common. The market is very weak at the moment, and buyers are looking for much more favourable prices in the near future. With the ultimate release of practically unlimited quantities of toluol it is felt that the price on contracts must come down and deliveries on the same be prompt. The pre-war price was $1.15 per lb.

SAFFRON is cheaper at from 50s. to 52s. 6d. per lb. as to quality.

SALICYLATES are unaltered, with British or American salicylic-acid powder offering at 4s. Soda salicylate has sold freely for export, and from 5s. 3d. to 5s. 6d. is quoted as to quantity.

SODA ACETATE is easier, small crystals offering at 140l. per ton.

SODA PHOSPHATE has been reduced considerably, commercial crystals (97 to 100 per cent.) offering in casks at 65l. per ton.

SOY.—The imports of soy containing molasses or other sweetening matter into the United Kingdom during the past five years have been as follows:

	1913 Cwt.	1914 Cwt.	1915 Cwt.	1916 Cwt.	1917 Cwt.
Total from Foreign Countries ...	2,589	1,619	2,363	174	635
Hong Kong	31,266	18,499	24,606	26,385	10,669
Other British Possessions ...	4	—	988	—	—
Total from British Possessions	31,270	18,499	25,594	26,385	10,669
Total	33,859	20,118	27,957	26,559	11,304

TARAXACUM is fairly plentiful on the spot, but the usual export demand for the U.S.A. has not yet made its appearance. Prices of good dried English range from 95s. to 105s., as to seller.

TARTARIC ACID is easier at from 3s. 9d. to 3s. 10d. per lb. on the spot.

TERPINEOL is rather easier at from 10s. to 10s. 6d. per lb. on the spot.

VANILLIN is cheaper, with sellers at 62s. 6d. per lb.

The Cinchona Bureau.

The Bureau reports that at its first meeting Mr. J. W. Ramaer was appointed president and Mr. J. Vorstelman deputy-president, with Mr. H. A. van Overzee, senior, as first secretary, and Mr. P. L. Ras as second secretary. Receipts and other financial documents will be signed by the president (or his deputy), the first secretary (or the second secretary), and a member of the Bureau. The members of the Bureau are: W. F. van den Broek, Dr. P. Hajonides van der Meulen, Dr. A. R. van Linge, L. C. Schalkwijk, W. Suermondt, and J. Vorstelman. The following are deputy-members, whose function appears to be to act when necessary in place of absent members: J. F. de Beaufort, S. Camphius, F. H. Martin Koch, Dr. J. W. G. Sieger, H. J. van der Wonde, and S. W. Zeverijn.

Import and Export Notice.

The Board of Trade announce that the following relaxations of the existing prohibitions of export and import will be brought into force from December 6:

Headings Transferred from One List to Another.

From "A" to "C" lists: Dental instruments, appliances, and materials (including dental chairs, artificial teeth, and dental fittings manufactured mainly from gold); surgical instruments; acriflavine, proflavine, and other acridine

derivatives having antiseptic or therapeutic properties, and mixtures or preparations containing any of those substances; antipyrin (phenazone) and its preparations; citrate of iron and ammonium; iron, reduced; lycopodium; metol and mixtures containing metol; neo-salvarsan; salvarsan; tannic acid. From "A" to "B" lists: Cascarilla-bark; colocynth; pyrogallic acid, and mixtures containing pyrogallic acid; senna leaves and pods; strophanthus-seeds. From "B" to "C" lists: Cotton-wool and articles containing cotton-wool; surgical bandages and dressings; amidol and mixtures containing amidol; amidopyrin; belladonna and its preparations; belladonna alkaloids and their salts and preparations; caffeine and its salts; citric acid; diethylbarbituric acid (veronal) and veronal sodium; emetine and its salts; guaiacol and guaiacol carbonate; phenacetin and its preparations; salipyrin; thymol and its preparations.

Headings Requiring Alteration.

Delete.	*Substitute.*
(A) Platinum, alloys of platinum and manufactures containing platinum.	Platinum, alloys of platinum and manufactures containing platinum, except artificial teeth (which are on List "C").
(A) Thermometers.	(A) Thermometers, clinical.

Note.—Attention is called to the fact that by the Proclamation of October 1, 1918, *all goods*, whether mentioned by name or not (except printed matter and accompanied by personal effects), are prohibited on List "C."

Californian Honey.

A California Producers' Exchange statement estimates the State's honey production at nearly 12 million lb., with a value per lb. of 20 cents. Of all the orange honey produced in the United States, California provides 90 per cent. for domestic consumption, while one-quarter of the entire output comes from that State, where alone are a hundred different grades and varieties. According to the Department of Agriculture, 487,516 lb. of domestic honey were shipped to Europe in July. In August, however, the product was added to the conservation list, but we understand that the embargo has since been removed.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(Nov. 23 to 29).

Bartyes, 1,120 cks. 400 brls.
Charcoal, animal, 1,030*l.*
Chemical products, etc., unrated, 3 cs. 15 cks. 21*l.*
Calcium carbide, 102 cwt.
Carbon black, 844 cs.
Cinchonine mur., 20 cs.
Cream of tartar, 220 kgs.
Milk-sugar, 200 cs.
Oxalic acid, 40 cks.
Potash carbonate, 392 bgs.
Quinine, 240,000 oz.
Saltpetre, 10,080 cwt.
Verdigris, 12 cks.
Drugs, etc., unrated, 9 cs. and 1,405*l.*; peptonising-powder, etc., 86 cs.
Camphor, 75 cs.
Eucalyptus oil, 118 cs. 810 pkgs.
Lavender-flowers, 32*l.*
Turmeric, 270 bgs. 96 pkgs.
Vanilla, 12 cs.
Dyestuffs, tanning materials, etc.: indigo, 40 chts.; logwood, 100 tons; mimosa ext., solid, 605 bgs.; myrobalans, 10,320 pockets: tanners' bark, 781 tons
Gelatin, 402*l.*
Glue, 2,257*l.*
Iron oxide, 90 brls.
Loofahs, 150*l.*
Perfumery etc., unrated (mostly raw materials), 450*l.*; toilet-powder, 15*l.*
Plumbago, 166 bgs. 105 brls.
Pumice stone, 3 tons
Soap, toilet, 456*l.*
Starches (cwt.): potato, 913: wheat, 200
Wax, bees' 16 bls. 65 bgs. 63 cs.
Wax, paraffin, 2,430 cwt.; scale, 823 cwt
Wax, vegetable, 50 cs.

To Liverpool
(Nov. 25 to 30).

Bronze-powder, 30 cs.
Chemical products, etc., unrated:
Argol, 1,957 bgs.
Arsenic, 55 cs.
Bromides: soda, 4 brls. potash, 20 cs.
Calcium citrate, 100 pkgs.
Cream of tartar, 12 brls. 8 cks.
Cream of tartar substitute, 250 kgs.
Iodine, 213 kgs.
Salol, 22 kgs.
Dental goods, 4,142*l.*
Drugs, etc., unrated, 200 bgs. 134 pkgs.; pharmaceutica tannin, 20 cs.
Camphor tabs., 20 cs.
Cassia-bark, 57 bls.
Cassia-buds, 500 cs.
Copaiba, 60 cs.
Insect-flowers, 30 bls.
Galls, 50 cs.
Liquorice-root, 28 bgs. 14 pkgs.
Papain, 24 cs.
Quillaia, 596 bdls.
Sarsaparilla, 66 bls.
Turmeric finger, 40 bgs.
Dyestuffs, tanning materials, etc.: chestnut tanning ext., 116 cks.; cutch, 900 bxs.; fustic-wood, 5 tons; gambier, 3,354 cs. 75 tons; logwood ext., 20 cks.: myrobalans, 1,232 bgs.; wattle-bark, 2,508 bls. 580 bgs. 2,397 pkgs.
Perfumery, unrated, 3 cs. 41 pkgs.
Plumbago, 102 cks.
Starches (bags), 619; farina (potato starch), 3,914
Wax, bees', 297 ballots 342 bgs.
Wax, carnauba, 143 pkgs. 142 bgs.
Wax, paraffin, 3,537 brls. 507 bgs. 329 sks.; scale, 803 brls.
Wax, vegetable, 253 cs. 335 bgs.

CHEMISTS' PRICES IN SPAIN.—A Valencia chemist has been fined 500 pesetas for profiteering in medicines. Cases have been reported of 50 pesetas being asked for drugs which normally cost 7 pesetas.

SYNTHETIC MINERAL OIL.—The "Pester Lloyd" (October 17) reports that the Baden Aniline and Soda Factory has taken the initial steps in the production of synthetic mineral oil, and has succeeded in obtaining liquid or easily liquefiable hydrocarbons synthetically.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

BUSINESS CHANGES.—Mr. E. Tyson, ex-President of the Natal Pharmaceutical Society, has acquired the business known as the "Marine Pharmacy," at Durban, which was opened by Mr. J. W. Cooper about three years ago. Mr. Cooper, having disposed of his Musgrave Road pharmacy to Mr. J. Gellatly some time ago, has now relinquished pharmacy in order to devote his full time to his optical practice.

NATAL PHARMACEUTICAL SOCIETY.—A general meeting of the Natal Pharmaceutical Society was held in Durban, on September 26, Mr. J. W. Cooper (President) being in the chair. A resolution was passed in favour of the Society taking the necessary steps to have the Natal Shop Hours Act amended in favour of chemists. This will have to be done by means of a petition being put before the Provincial Council, and as practically every chemist in Natal is in favour of shorter hours, there is every likelihood of the Act being amended. At present the closing-hour for week-days and Sundays is eight o'clock, and the hours suggested by the Society are as follows: Monday, Tuesday, Wednesday, and Thursday, 7 P.M.; Friday, 9 P.M.; Saturday, 1.30 with re-opening from 6 to 7 P.M.; Sundays and holidays, 10 to 11 A.M. and 6 to 7 P.M. A communication was received from Mr. Ross, of Utrecht, urging the need for educating the public regarding the desirability of using only British and Allied drugs and chemicals. Mr. Ross recommends that exhibitions of such should be given in the principal towns of South Africa.

SPANISH INFLUENZA (writes our Cape Town correspondent on October 18) made its appearance in Cape Town a few weeks ago, and during the first week of October it suddenly assumed the proportions of a plague: indeed, it is said by some authorities to be "pneumonic" plague. Few have escaped attack, quite two-thirds of the people here having been affected. There were 5,000 deaths in Cape Town alone during the first half of the month. Many doctors are laid up and several have died. Many pharmacies had to close at first as their staffs were attacked wholesale, and the medical and pharmaceutical service broke down entirely. With the establishment of temporary hospitals and standardisation of prescriptions for use by all doctors and chemists matters have much improved. Nearly all the deaths are due to pneumonia supervening. Whole families have been wiped out, and unprecedented street scenes have been witnessed. Dead bodies have been lying in the streets, and waggon-loads of corpses collected and buried without coffins. All public services have been disorganised, and business has been at a standstill generally. All schools and places of amusement have been closed. Chemists are besieged for prescriptions and prophylactics, and in some cases queues had to be formed by customers waiting for aspirin, ammoniated quinine, etc. The disease is spreading to other parts of the country with alarming rapidity. Inoculation is being advocated as preventive, and is being carried out gratuitously by the Government. During September Durban was also visited by the epidemic in a mild form. In the majority of cases the illness lasts about three days. A considerable number of Europeans have been affected by it, but the majority of cases have been amongst the natives. Formidable quantities of medicines have been supplied to the larger employers of natives, and the pharmacists have been kept very busy, a few having put up special influenza mixtures which they have advertised in the local papers. Aspirin, phenacetin, and quinine have been in popular demand: Epsom salts and mist. sennæ co. have also been consumed in large quantities.

ONE ACRE OF FLAX produces enough fibre for four aeroplane wings.

NITRATE FOR HOLLAND.—According to Reuter's correspondent at The Hague, the Ministry for Foreign Affairs announces that the Dutch Government has gratefully accepted the British Government's offer to sell it three cargoes, totalling 18,310 tons, of Chilean nitrate which is now on the water. The British Government has also offered to supply immediately in a United Kingdom port the balance of the 45,000 tons which was placed at the disposal of Holland in negotiations at London. In return the British Government will have the option of employing for voyages to South America the Dutch tonnage which Holland would otherwise have had to use to fetch the saltpetre from Chile.

The Question of Salary.

SIR,—If I may add anything to your correspondent's remarks, it is that there ought to be a minimum wage for qualification insisted upon. Also some of the "unity" of the working man and the self-conceit of the clerk combined would rapidly increase our status financially and socially. Some of the clauses in the agreements with these corporations are such as no educated body of men should be asked to accept. There is one especially dealing with the payment of salary in lieu of notice. I have seen this operate against men of twenty years' service, their friends ignoring them under a false impression until the facts were explained. NORTHERNER. (235/44.)

SIR,—It is clear that the dissatisfaction is real and general. All your correspondents agree and raise matters which are in need of urgent treatment. In the matter of "com." the net result comes to this—that many men get all there is going, while others get none at all. This is largely the result of ignorance of the subject when engaging; and again the fact is that some places are notable for "com." All gold-mines are not equally productive. "Another Midlander" makes a point about it being open to make direct application to headquarters. Apart from the annoying fact that one has to kow-tow to a person unqualified and professionally one's inferior, it is not easy to ascertain the right person to whom the application is to be addressed. The result is disappointing, anyway, and it turns out to be a case of Spenlow and Jorkins. "Nil Desperandum" makes a reference, *inter alia*, to increased work. He might have used the word "sweating." Many of us four years ago manfully shouldered the work of our fellows who were called up, and the result is little good to them and less to ourselves. Some managers rather encourage this sweating, and it is not generally, if ever, a case of shortage of labour. When a man gets extra pay for supervising lady assistants, and also the "com." these young people inevitably make (they get none themselves the first year), the result is a constant procession of these young persons to be tutored and drilled by the unfortunate and harassed assistants, who have to do their own work and much of the girls' gratis. "Not a Midlander" suggests that certain provisions would be made and mutually agreed to by men on joining up. I wonder how many men have "joined up" for certain defined and responsible positions which have never materialised, and never will! Probably no experienced man ever has joined with the idea of remaining a mere branch manager all his life. I could easily elaborate the point. I would like to say here that I should make a distinction in regard to salary paid by a private chemist of good repute and a drug company. In the latter case a qualified man ought easily in ten years to make enough to start him in business. His salary ought to be enough to enable him easily to save 100*l.* a year. "Subvenio" opens up the subject of a union. Well, a union for the qualified employés of associated companies would be good, but one for all would be better. It could easily be done if we really mean business. Roughly, with the associated companies 5*l.* a week for every qualified man should be the irreducible minimum, *plus* anything accruing from "com." I have mentioned the sum of 5*l.* as an irreducible minimum. It is scarcely enough even in the provinces; 6*l.* in London and an extra 20*s.* for all managers would be more to the point, and, as before remarked, we need not trouble ourselves about the proprietors.—Yours, etc.,

MIDLANDER. (241/51.)

SIR,—Perhaps my experience regarding working for a multiple-shop company will be of some interest to your readers. I have worked eighteen years for them, and in the whole of that time I have never once met with anything else but the utmost courtesy and kindness from the managing director or his chief of staff. I should advise those few discontented managers to put into their business as much energy as they are putting into the agitation they are now conducting, and they will find that there is no such thing as a maximum salary, and any man worth his salt can easily earn more than the minimum. It is up to every man to do his best for himself and his branch, and I have proof positive that at all times they will receive an adequate remuneration for the work they have put in. During my term of service I have only once applied for an increase in salary, which was granted in a substantial manner, but my salary has been an increasing one each year through the managing director's instructions and my energy, and I am more than proud of the amount I earn. In conclusion, I should like to advise my fellow-managers to become copartners in the "firm," and feel that the business they manage is partly their own, and work with this in view.

Yours truly,

STATIM. (242/24.)

Assistants in the East.

SIR,—It was with pleasure I read the letter from the Secretary of the Straits Pharmaceutical Association, which confirms my letter (*C. & D.*, August 18, 1917, p. 54). My letter appeared to have upset "Seefair" (*C. & D.*, June 15, 1918, p. 51), who did not, I am sure, live on $100 or even $150 per month when in the Straits Settlements, even although it might have been twenty years ago. He appears to prefer seeing Japanese running dispensaries in Penang, rather than our own people at a fair wage. As for Australians and Americans mentioned by him, he will find they want a higher wage than the average Englishman. The whole letter of "Seefair" was so out of joint with the times that I did not think it necessary replying to. I hope, after "Seefair" reads Mr. Maben's letter, he will wish fairer times for the heroes of the mortar and pestle.

Yours faithfully,

C5. (240/34.)

The Quality of Saccharin.

SIR,—While in London my attention has been called to the article published in the *C. & D.*, November 9, p. 51, under the heading "The Saccharin Situation," signed by Mr. H. E. Laws, in which he raises the question of saccharin prices on this market. With this I am in no way concerned, as my organisation sold the bulk of their make over 1918 on the basis of $13.50 per lb., or less. With the question of quality I am, however, very much concerned. I have never seen the product manufactured by the Cooper Laboratory for Economic Research, but, subject to agreement as to the method of analysis, I would suggest that a representative sample of their make, together with a representative sample taken from an original unopened tin of Monsanto, be submitted to some competent authority, as, for instance, Mr. F. W. Passmore. If such sample of Monsanto saccharin is found to be less pure than the sample representing the Cooper Laboratory, I will forfeit 1,000 lb. of saccharin, the proceeds of the sale of which shall go to some such institution as, for instance, the Red Cross or Y.M.C.A., if the Cooper Laboratory will put up 100 lb. under the same conditions. I shall be glad to hear Mr. Laws' views on this suggestion.

Yours faithfully,

JNO. F. QUEENY,

President, Monsanto Chemical Works, St. Louis, Mo., U.S.A.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Influenza Brevity.

A London wholesale house is sending out, in reply to lengthy epistles, postcards with the words, "Excuse brevity; we've got influenza," stamped thereon.

Cod-liver Oil Plaster.

A. B. & Co. (200/43) have been asked for cod-liver oil plaster, which is described as an old Irish remedy. Can any of our subscribers tell us what is required to fill the order?

What is Powdered Hellebore?

"What should be sold for powdered hellebore when such is asked for over the counter for veterinary and other purposes? There seems some doubt in the minds of chemists apparently."—*Birmingham* (19/91).

Label Brevity.

J. G. (59/11) writes: "This might interest some of your commercial readers. I received a bottle that had contained liniment, and it was labelled, 'Shake. Use as told.' If this is not the essence of brevity, I don't know what is."

"Crow-fig."

"If 'Xrayser II.' will turn up Lloyd's (or Cassell's) Encyclopædic Dictionary he will find that this name has not been entirely overlooked by English lexicographers, and he will further find that it was actually in use in this country a hundred years later than the Poison Bill referred to."—*W. Y-worth* (243/7).

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

A. B. (233/34).—An unqualified person is liable to penalties if he keeps open shop for the sale of poisons. The fact that he sells poisons through a qualified man does not exonerate him from liability to prosecution.

Rolyat (240/32).—Bearing in mind that the activities of the National Service Department are suspended, we should not think you would incur any penalty by changing your situation and so varying the scope of the exemption granted by the local Military Tribunal.

E. X. Y. Z. (234/38).—(1) Your pharmaceutical Committee has probably acted for you in sanctioning the deduction from your payment by the Insurance Committee. The expenses of the Pharmaceutical Committee are a payment sanctioned by the National Insurance Act. (2) The label you send does not involve liability to stamp-duty when affixed to a medicinal compound.

Roberts (228/72) asks where it is possible to inspect or obtain a copy of the balance-sheet prepared by trustees after winding up the affairs of a deceased person. [The accounts of the trustees of a deceased person's estate are not open to public inspection; but if "Roberts" is a beneficiary he should apply to the trustees, or their solicitors, for the information he requires.]

E. H. W. (241/52).—The suggestion to sell a medical pamphlet and at the same time give away a sample of a dutiable medicine would hardly stand the cold atmosphere of a court of law if you were prosecuted for selling unstamped dutiable medicines. You have only to think of your motive in resorting to this subterfuge to show you that it is not permissible.

J. M. (241/38).—SALE OF POISONS.—As a general rule a chemist can sell poisons to anyone if he does it in accordance with the provisions of the Pharmacy Act, 1868. The restrictions do not apply to poisons exported by wholesale dealers, nor to poisons sold by wholesale to retail dealers in the ordinary course of wholesale dealing so long as the name of the article and the word "poison" is affixed to the packages.

M. J. (129/33).—(1) The Pharmacy Act, 1868, requires wholesalers and exporters to label poisons named in the Schedule of the Poisons and Pharmacy Act, 1908, with the name of the article and the word "poison," otherwise it does not interfere with the manufacture and sale of poisons in the ordinary course of wholesale dealing. The retail sale of scheduled poisons is confined to registered chemists, and with certain stipulations to medical men and veterinary surgeons who are registered in this country. (2) Strictly speaking, dutiable medicines must be stamped when exported from this country, but we believe that in certain cases unstamped articles may be exported. (3) Alcohol can be purchased by other people than registered chemists for the manufacture of medicinal compounds. The rebate of part of the duty allowed to manufacturers of pharmaceutical preparations is subject to restrictions as to the compound made—some, such as tinct. aurantii and sp. menth. pip., are not classed as medicinal by the Board of Customs and Excise.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

C. & S. (222/49).—We do not undertake analytical work. Your wholesale druggist will doubtless help you in the matter.

Importer (234/70).—PERFUMERY IMPORTS.—It is still necessary to apply to the Department of Import Restrictions for licences to import perfumery and toilet-preparations from the United States by parcel-post. You will probably be given an "open general licence." This, of course, does not relieve you from the necessity of procuring a "permit to purchase" for goods imported from the U.S.A. It is quite possible that in the near future there will be further relaxations in regard to this condition.

A. T. C. (235/2).—SODIUM NITRITE is used on a large scale in the manufacture of aniline dyes, and also in the calico-printing industry in the preparation of colours, such as paranitraniline red, which are developed on the fibre. It is used also to a small extent in medicine, but for this purpose it requires to be of a greater purity than when employed technically.

E. X. Y. Z. (234/38).—RANCID BUTTER is partially restored to edible condition by melting and whisking with solution of sodium bicarbonate or chalk. The object is to neutralise the fatty acids and to remove the salts by means of the water.

W. R. W. B. (235/4).—(1) BLACK FUR is best cleaned by rubbing with a mixture of dry salt and bran, or with wet bran followed by dry bran and salt. (2) FURNITURE-PASTE:

Japan wax	lb. iij.
Spirit of turpentine	Oiv.
Resin	℥vj.
Vermilion	℥j.

Melt together.

(3) Aniline magenta or ammoniacal solution of carmine will probably answer your requirement for converting white into pink cotton-wool.

W. S. (239/14).—Caustic soda will remove coffee-stains from the interior of a coffee-pot; but most housewives employ simply washing-soda solution.

Amerik (223/7).—REGISTERING A TRADE-MARK.—The method of registering trade-marks was given in the *C. & D. Diary*, 1917, p. 220. You can also obtain a pamphlet explaining the process by applying to the Patent Office, Southampton Buildings, London, W.C.

Cæsar (237/32).—STEARINE.—The commercial article known as stearine is a mixture of stearic and palmitic acids. There are two kinds, "saponification" and "distilled" stearine, that obtained by distillation being also known as "commercial stearic acid." With a few experiments you may be able to evolve a satisfactory skin-cream from the stearine you have.

W. H. B. (241/53).—TRÉFLE PERFUME.—This is supposed to represent the perfume of *Trifolium incarnatum*, the crimson clover. The following formula from Durvelle's "Nouveau Guide du Parfumer" (Desforges, 29 Quai des Grands-Augustins, Paris) is representative of the class:

Jasmin infusion, Tuberose infusion	of each	2,250 parts
Orange infusion, Cassia infusion ...	of each	250 parts
Musk infusion		75 parts
Benzoin infusion		150 parts
Ylang-ylang essence		40 parts
Coumarin, Vanillin	of each	4 parts
Cloves essence		12 parts
Lavender essence		8 parts
Amyl salicylate		20 parts
Isobutyl benzoate		5 parts

The "infusions" referred to are simple alcoholic tinctures made on the lines of those given in "Pharmaceutical Formulas."

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Dec. 15, 1868.

Sulpho-carbolate of Zinc.

Since the beginning of the year Mr. John Wood, of King's College Hospital, has used extensively the "sulpho-carbolate of zinc," which he says was first manufactured at his suggestion. From a report in the "Lancet," of Saturday, we derive the following particulars. The sulpho-carbolate of zinc is said to be a definite crystallisable compound of the sulphate of zinc and the carbolate of zinc. Its formula is, according to an analysis made by Professor Bloxham, of King's College: $C_{12}H_5ZnO_2,2SO_3+Aq$. Its most perfect crystalline form is right rhombic plates, of a flesh colour; and its more common form, as supplied by the maker, is in agglomerated amorphous masses of a pinkish-white colour. It is very soluble in water, and gives off no smell of carbolic acid whatever, either in the solid form or in solution. This salt, in aqueous solution of from three to six grains to the ounce, Mr. Wood has found of great service in all cases to which the use of carbolic acid is applicable as a dressing for wounds.

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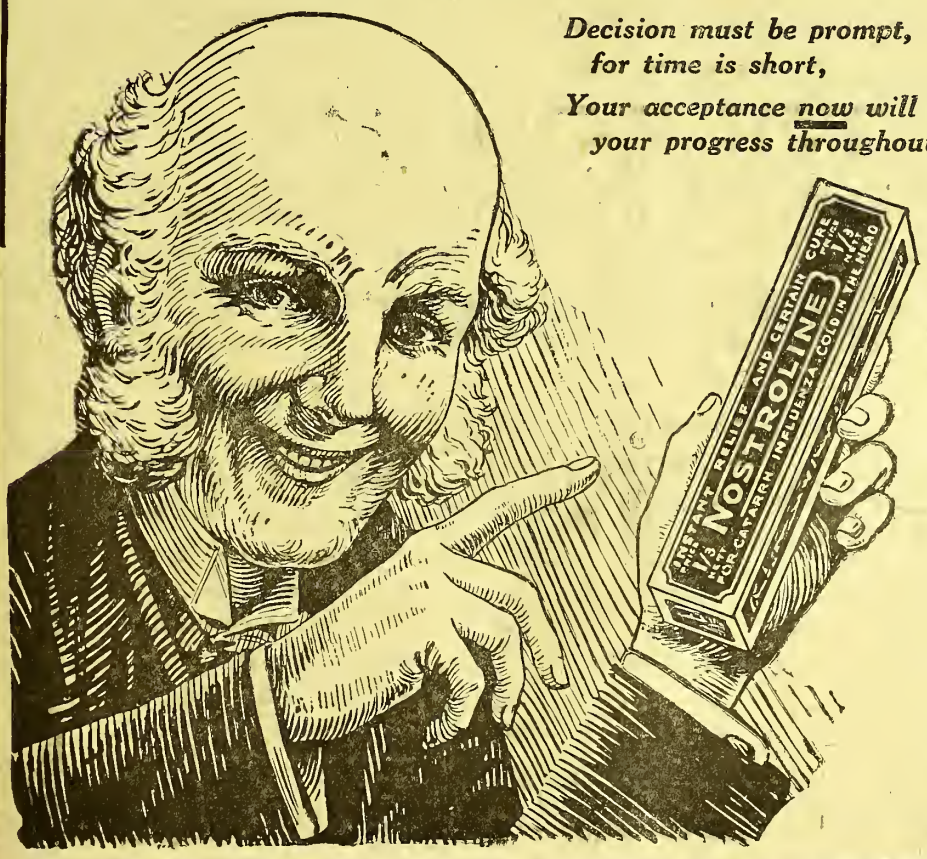

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So much for these material advantages
Far-reaching and unusual
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Is the fraternity of spirit
Made possible between all members
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Through the medium of
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Have constituted themselves
A vast fraternity.

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Meeting in friendship
They discuss their problems
Frankly and fearlessly.
They help each other
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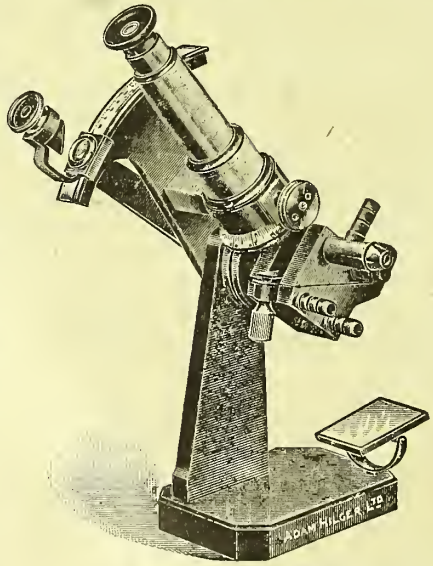

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CARBOLIC ACID CRYSTALS, 40° C.
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All qualities of CRESYLIC ACID, etc.
ORTHO, META, and PARA CRESOLS, etc.
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Lightest and Whitest, also Purest Dense
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This popular article is largely advertised and stocked by all Wholesale Houses.
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Notwithstanding the shortage of supplies, we are still in a position to supply all orders and guarantee our preparation to be exactly the same as pre-war recipes. Own-named brands a speciality. Largest profit, and most reliable Hair Dye yet produced.
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COMPLETE WITH PUFFS.
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SPECIAL XMAS PROPOSITION.
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Soothing and Healing.
An Ideal Toilet Preparation for the Skin.
Unscented or Delicately Scented.

FROM PURE, GENUINE WOOL FAT.

½ oz tubes, **4/3** per dozen.
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Cartons 6d. per dozen extra.
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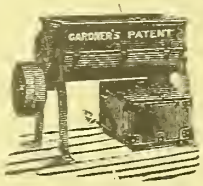

OVER 5,300 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

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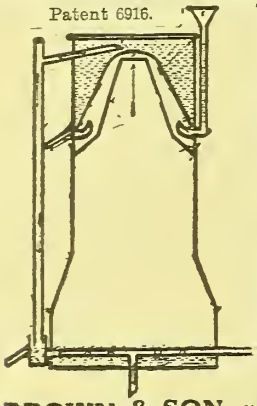

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We beg to call attention to the fact that our well-known Patent Stills are made for heating by steam pressure. Where this is available it forms a very cheap and efficient method of obtaining distilled water. Any pressure will suit from 10 to 200 lb., made in various sizes to produce from 1½ to 15 gallons PER HOUR. Cost of distilled water made this way is practically nil. As with our Gas Stills, these are perfectly automatic.

For producing up to
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5 " " 15 " "

Please Inquire for Quotation.

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills: National Physical Laboratory, 2 in use; Imperial College of Science, 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses etc. etc.

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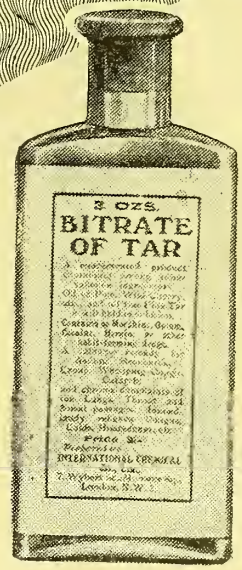

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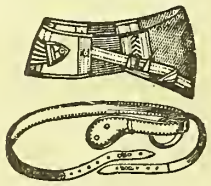

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CHEST PROTECTORS and SLEEPING SOCKS, ELASTIC and LEATHER WRISTLETS, ARM PIECES, ELBOW PIECES and KNEE CAPS for Football, Golf and Hockey.
DRUGGISTS' SUNDRIES, INDIA RUBBER HOT WATER BOTTLES and COVERS, ELASTIC WEB BANDAGES, all lengths, widths and qualities.

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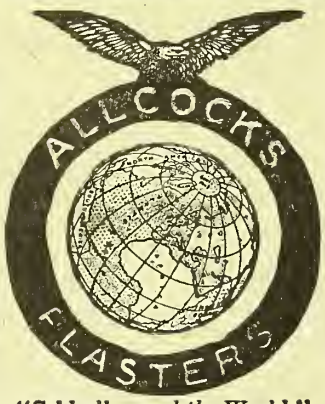

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MEDICAL & CHEMICAL GLASSWARE
WHOLESALE QUANTITIES ONLY SUPPLIED.

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WHOLESALE and EXPORT

Medical Flats Best Quality, Quinine Tinted. Pale Tinted, 2nd Quality.
Panels ,, Pale Green.
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HOT WATER BOTTLES

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The "EMPIRE" Brand

Made in Two Weights, but One Quality only—THE BEST. Guaranteed for 2 years.

The metal collar in both heavy and light Bottles is **vulcanised into the rubber neck,** thus making it practically one solid piece and doing away with all possibility of leakage.

Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
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Heavy weight ... ... each	4 0	4 4	4 8	5 0	5 6	6 0	6 3	7 0
Light ,, ... ,,	3 10	4 2	4 6	4 9	5 3	5 9	6 0	6 6
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SANITARY TOWELS.

BRITISH MADE AND BRITISH OWNED.

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Trade that will give you greater satisfaction, bringing repeat orders, and help you in building up business goodwill.

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Teats made from highest grade Ceylon Rubber, toughest, most supple, transparent and durable.

ALWAYS GROWING IN DEMAND BECAUSE MOST HYGIENIC, BEST FOR BABY'S HEALTH, EASIEST TO CLEAN AND STERILISE, BEST UNDER ALL TESTS, INCLUDING BOILING, STAND ALL CLIMATES, BEST FOR BOTH HOME AND EXPORT TRADE.

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Special designs to suit special markets.

WRITE NOW FOR DETAILS AND PRICES OF

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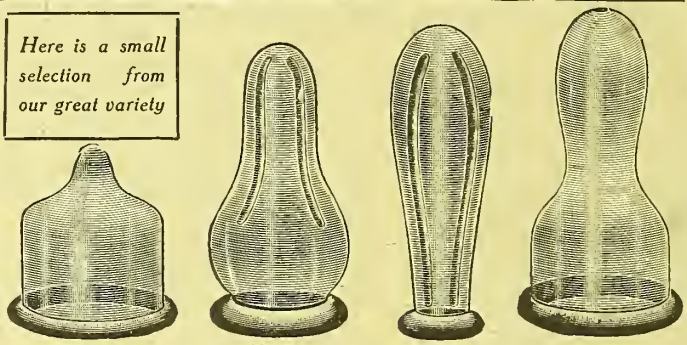
Here is a small selection from our great variety



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Write for Friction Lighter List.

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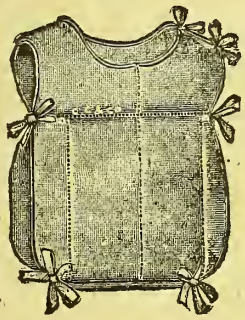

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1	8 in.	6 in.	9/6	1/3	16/	2/-
2	10 in.	8 in.	12/-	1/6	20/-	2/8
3	12 in.	10 in.	16/6	2/-	24/-	3/4
4	15 in.	12 in.	20/6	2/6	28/-	4/-
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Extremely Elastic, but contains no Rubber.

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(9)

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DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 6 and 8 ounce.
12 ounce.
WHITE PHIALS, plain or teaspoons.
½ ounce. 1½ ounce.
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BLUE LOTION BOTTLES, all sizes.

Lowest Market Prices Charged.

CORKS. Superior Quality. No advance in price.
6 and 8 ounce ... ... **1s.** per gross, in 6 gross bags.
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Delivered free within 7 miles, and to certain stations. Particulars on application.

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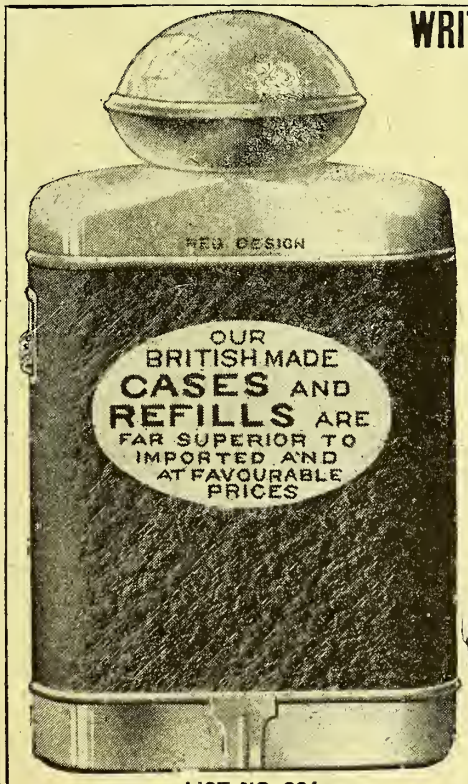

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IMPORTANT.—We can supply the above qualities fitted with 1½ in. lens as follows:—
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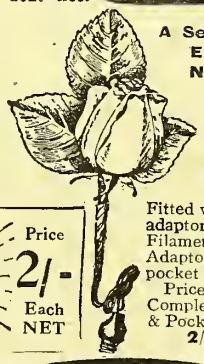
Best Quality Flash-Lamp BULBS 3-5 volts, 6/- doz. net.

Best Quality 'VOLEX' POCKET LAMP BATTERIES 12/- doz. net.

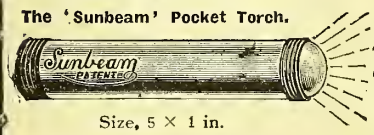


A Seasonable Electric Novelty.

ELECTRIC ROSE FOR THE BUTTONHOLE.

Fitted with silk cord adaptor and Metal Filament bulb. Adaptor fits into any pocket lamp case. Price 1/- each net. Complete with Battery & Pocket Lamp Case, 2/- each net.

The 'Sunbeam' Pocket Torch.



Size, 5 × 1 in.

Price 2/- Each NET

Complete with Refill and Bulb 2/- each. Spare Batteries 13/4 doz. net.

The most reliable Torch of convenient size ever offered. Gives a brilliant light that in ordinary use will serve for six months. Neat, attractive appearance. All metal finish.

Ward & Goldstone SALFORD MANCHESTER

The Chemists' Aperient Mineral Water

Aquaperia (Harrogate)

Standardised and Bottled by CAMWAL, Ltd., at their Spring at Harrogate.

Supplants Apenta, Hunyadi-Janos, and Enemy Waters of Similar Character.

WAR PRICES

Per **10/-** Doz.

9/6 per dozen in 6-dozen Lots.

Carriage paid on 2 dozen & upwards.

Minimum Retail Price to the Public:

Per **1/4** Bottle.

P.A.T.A.

2/- per dozen allowed for Empty Bottles returned Carriage Paid to our Factories.

Of all Wholesale Houses, and

"CAMWAL"

LTD.

HARROGATE, MANCHESTER, BIRMINGHAM, BRISTOL, MITCHAM, LONDON, and Depots.

Special Export F.O.B. quotations, including packages.

Special Allowance for Window Display.

The Value of "Vin-Sanguis"

is recognised by the private practitioner, the nurse and the Army doctor, as well as by the general public.

It is a blend of the choicest old mellow Wine with pure Meat Juice and Malt Extract.

Widely advertised and a ready seller: bearing a good profit to wholesaler and retailer.

Retailed at **2/9** and **5/- per bottle.**

Write for particulars.

Dr Hale's **VIN-SANGUIS** WINE FOR THE BLOOD

TRANS-CONTINENTAL AGENCIES LTD.,
Proprietors of Dr. Hale's "Vin-Sanguis" Co.,
444 Strand, London, W.C. 2.

"Prana" Sparklets.

NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,
"Prana" Sparklet Works,
Upper Edmonton, N.

Recommend it for Convalescence

Doctors prescribe Turtle Soup in all cases where the patient cannot retain any other nutriment.

FREEMANS

REAL TURTLE EXTRACT

is the real meat of selected West Indian Turtles, compressed into handy tablets; it provides all the delicacy and nourishment of soup made from fresh killed turtles, and is quickly prepared as it requires nothing but boiling water.

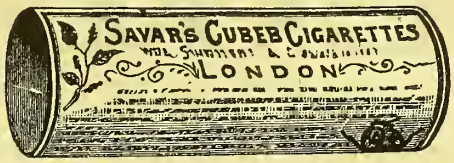
For hospitals, nursing and convalescent homes it can be strongly recommended as the best, safest and handiest invigorator obtainable.

The trade terms are particularly favourable, and particulars can be obtained by writing to
The Watford Mfg. Co. Ltd.
Delectaland, WATFORD

Freemans FOOD PRODUCTS Watford
S.A.A.

You can always sell

SAVAR'S CUBEB CIGARETTES



A genuine relief in cases of Asthma, Catarrh, and all Throat Coughs.

On P.A.T.A.

Min. Retail		Wholesale
1/- size	-	9/- doz. net.
2/6 „	-	21/6 „ „

EVANS SONS LESCHER & WEBB
LIMITED
LIVERPOOL NEW YORK LONDON

SPRING'S TABLE HONEY

"Heather,"
"White Clover,"
&c.

Specially refined and packed for table use.

SPRING & CO., LTD.
BRIGG LINCOLNSHIRE.

The largest collectors and packers in Great Britain.

The Display of well-advertised high-class lines marks the progressive trader, and attracts the best customers.

FAWCETT'S Natural Process BARLEY

FAWCETT'S, Barley Food Specialists
CASTLEFORD, Yorks.

FINEST **BLACKS** AND

COLOURS

(ALL SHADES)

CARAMEL COLOUR

IN POWDER.

Guaranteed Harmless.

50

times the concentration of Liquid Caramel.

Sample on application.

Soluble in

WATER SPIRIT
OIL TURPS
WAX BENZOLINE
GLYCERINE NAPHTHA
PETROLEUM CREOSOTE

and

IN FACT—ANYTHING.

BLACK FOR INK.

MARKING INK.

ETERNITE

A combined Stain and Preservative for Wood.

HOUSEHOLD DYES.

RHEUMSOL BATH SALTS

in 1/- Tins.

WILLIAMS BROS. & CO.

Hounslow, Middlesex.

The BRADFORD WOOL EXTRACTING Co. Ltd.

are ACTUAL MANUFACTURERS of

PHENACETIN THE BECOL BRAND SALICYLIC ACID

Telephone No. 2638 | PIT LANE MILLS, BRADFORD. | Teleg. "Production."

Established 1839.

Chemists' Overalls

Gardiner & Co.

We supply protective overalls and aprons in any colour or style required. They are made by experienced hands for all branches of the chemical trade.

Keenest Quotations sent on request, or a special representative will be pleased to call.

Head Office: Gardiner & Co. (The Scotch House) Ltd.
1 Commercial Road, E. 1.
Phone: 6650 Ave.

CHANGEABLE LETTER SIGNS

Most effective, artistic and NOVEL. Letters do not fall about once placed in position.
300 Letters and Figures to each Sign.
Size 18 by 14 inches, in Wooden Frame, price **10/6**, Two for **18/-**; Size 11 by 15, price **7/-**, Two for **12/-**.
Sent carriage paid on receipt of Postal Order.
Dominion Trading Co., 50 Adelaide Rd, London, N.W.3

We Develop Films and post back Next Day
„ & Print „ „ „ in Two Days

Plates, Flat or Roll Films developed, printed, enlarged, retouched, etc. We lay our works out to supply Pharmacists with good work at reasonable prices, with quick dispatch. Price List on application. Monthly accounts without fuss.

ARTHUR J. C. LEWIS, The Chemists' Photographic Printers, NEW BARNET.

The Mark of

Quality Reliability

Registered Trade Mark

ELLIOTT OPTICAL CO.

(Proprietor: GUY E. DRUIFF)

104/5 Gt. Saffron Hill,
LONDON, E.C. 1.

MECHANICAL DENTISTRY

Freeman Bros.

WITHAM - HULL.

'Phone—CENTRAL 1290.

NO BRANCHES

High-Class Work at Moderate Prices

Reliable Staff under Personal Supervision.
Punctuality Guaranteed, & Best Materials.

Kay's Compound Essence of Linseed,

"LINSEED COMPOUND"
(Regd. Trade Mark).

For COUGHS and COLDS.
On the P.A.T.A. List.

"KAY'S TIC PILLS."
"MOUNTAIN FLAX PILLS"
Linum Catharticum (Regd. Trade Mark).

"COAGULINE" & "TENASITINE" CEMENTS.

"ORBITE"
Banding Material for Fruit Trees.

BIRDLIMES, RATLIMES, and FLYGUMS.

Sole Makers :—

KAY BROTHERS LTD.,
STOCKPORT.

GREAT RAT CRUSADE

The Rats Order, August 1918, which empowers local authorities to deal with those who do not take the necessary steps for the extermination of Rats on their premises, has brought prominently before everyone the depredations of those vermin, and the necessity of employing a first-rate Rat Poison such as

"RODINE"

The Fascinating & Fatal Rat Remover

"Rodine" is extensively used by Public Bodies, Sanitary Inspectors, Railway, Shipping and Commercial concerns, &c. Agents everywhere testify it gives to seller and user the best "Visible Results."

HARLEY, *Manufacturing Chemist,* Perth, Scotland.
Export Agents: TOZER, KEMSLEY & MILLBOURN, Ltd.
84 Fenchurch Street, London, E.C. 3

"FOR OLD & YOUNG" FUMO-TARACINE

A specimen of one of our adverts. appearing in the popular weeklies and monthlies.

THE LINE THAT SELLS WHEREVER IT IS SHOWN:
Are you stocking it? Are you displaying our Window Cards? Are you able to supply it on doctors' recommendations? Have YOU applied for SOLE AGENCY terms? Immense Demand—Rapid Sale!
THE COAL BY-PRODUCTS COMPANY, 112 High Holborn, LONDON, W.C. 1.
Telegrams: "Cobyproco, Westcent, London." Telephone: Holborn 983.

Recommended for:

Spanish Influenza,

Asthma, Whooping Cough, Catarrh, Cold, Sore Throat, Measles, Bronchitis, Broncho-Pneumonia, Influenza, Spasmodic Croup.

Complete with FREE VAPORISER.

FUMO-TARACINE
TRADE MARK

EUCALYPTUS OIL
(RECTIFIED).

Eucalyptol Content	70/80%
Optical Rotation	0 to 1
Specific Gravity	·919 to ·928

Absolutely Free from Phellandrene.
Quotations by cable. Wholesale Trade only.

BURNSIDE & COMPANY
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.
New Postal Address— 439 Flinders Lane, Melbourne.
Cables—"Burnside Company, Melbourne."

PURE ESSENTIAL
OIL OF HOP.

PRICE AND INFORMATION FROM THE DISTILLERS:

WHITE, TOMKINS & COURAGE, Ltd.
Head Office:
48 Mark Lane, LONDON, E.C. 3,
and at LIVERPOOL, BELFAST, BOSTON.

PHOSFERINE.

TRADE NOTICE.

JULY 31st, 1918.

At the request of a large number of Chemists throughout the Country we have decided, from the above date, to fix the retail prices of PHOSFERINE, and all our other Proprietary Medicines, at face value, viz.:

1/3, 3/-, 5/- and 12/-

The Wholesale Prices will be as follows:

1/3	**size**	- -	**12/-**	**per doz., net.**	
3/-	„	- -	**30/-**	„	„
5/-	„	- -	**48/6**	„	„
12/-	„	- -	**114/-**	„	„

Against the conditional £5 worth of Phosferine being taken, a bonus of 10/6 will be allowed for a Phosferine Window Display of not less than 14 days.

ASHTON & PARSONS, Ld., La Belle Sauvage, Ludgate Hill,
LONDON, E.C. 4.

"I could easily understand it if I neglected my business in any way, but no one could accuse me of that. I carry good stocks and am particularly careful not to overcharge."

Thus writes an Australian chemist with regard to a portion of his trade that is going away from him.

YOU CANNOT OVERCHARGE ON

GLAXO

BECAUSE IT SELLS AT FACE VALUE AND IS PROTECTED BY THE P.A.T.A.

Now then! What about your stocks: are they sufficient to meet demands? To make sure of your position order well in advance of actual need; your turnover will then depend on your skill as a salesman, supported by the abundant advertising of GLAXO to the public. Be positive that they can GET IT FROM THE CHEMIST.

Write for terms to

Sangers

258 EUSTON ROAD, LONDON, N.W.1.

Wholesale Agents for Great Britain.

THIS SUPPLEMENT IS INSERTED IN EVERY COPY OF "THE CHEMIST AND DRUGGIST."

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICES: 42 CANNON STREET, LONDON, E.C.4

DECEMBER 7, 1918.

Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—CRYSTAL PALACE DISTRICT.—Cash Retail and Dispensing Business; established many years; returns about £1,150 at fair prices; there is also an appointment attached; rent £46; held on lease; stock and fixtures valued at £550; price £675.

2.—SYDENHAM.—An opportunity presents to acquire a neglected Business for the sum of £200; the premises comprise double-fronted shop, nine rooms, private entrance; small garden; rent £38; no immediate opposition.

3.—STRATFORD.—For immediate disposal, through vendor being called up for military service, ready-money Business with N.H.I. Dispensing; no near opposition; net income about £300 yearly; moderate rental; valuation terms entertained; cash required about £400.

4.—LONDON, S.E.—Death vacancy; all good middle-class trading; excellent position; returns average £1,200; gross profit, about £450; well-appointed shop, and comfortable residence; price £600.

5.—LONDON, S.W. (Main Shopping Thoroughfare).—Retail and Dispensing Business; excellent position; returns upwards of £1,600; net profit about £500; books open to inspection; reasonable offer would be considered.

6.—LONDON, N.W.—An exceptionally good and reliable Business in select residential locality; returns £2,219; net profit over £600; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably; vendor retiring.

7.—LONDON.—Old-established good-class Retail and Dispensing Business; returns upwards of £2,000; scope for development; well-fitted shop and comfortable residence; no near opposition; price to be arranged equitably.

8.—MIDLAND RAILWAY (Main Line).—Cash Retail Business, with excellent sale for own Proprietaries; returns average £2,500; *net profit* £700 to £800; stock and fixtures valued at £2,500; rent £50; price £2,300; death cause of sale.

9.—MIDLANDS (Large Manufacturing Town).—Old-established Business; Retail and Wholesale in packed goods; gross receipts exceed £8,000, and during the past three years the average gross profit amounted to £2,031; the premises are held on a long lease at a rental of £60; price about £3,000; a banker's reference will facilitate business.

10.—HANTS.—Cash Retail Business, capable of extension; returns, present rate, £600; the shop offers a good nucleus; small residence; rent moderate; price £300.

11.—SOUTH MIDLANDS.—Good-class Business for disposal through death; established upwards of 100 years; returns over £1,300; *net profit* £300; no opposition; price £1,000.

12.—HOME COUNTY.—Modern Pharmacy, situate in principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

13.—STAFFS.—Ready-money Retail, with N.H.I. Dispensing; established many years; returns last year £2,456; full investigation invited; rent £30; offer wanted.

14.—A profitable old-established country Business in centre of market town, Gloucestershire, giving net profit £270; double-fronted shop and good residence; valuation terms entertained.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

GLAM.; mining town; population over 8,000.—Unopposed Business for disposal; nearest Chemist three miles; returns exceed £1,500; profits above the average; £2,500 could be reached within a year or two; scope for Optics, Dentistry, and the sale of Medicated Wines; a rare opportunity; valuation of stock and fixtures accepted. Apply 142/12, Office of this Paper.

LONDON, S.W.—Returns over £1,200 of a most profitable nature, consisting of ready-money Retail, Dispensing, and good sale of own Proprietaries; the position is almost a monopoly; what you buy you can hold; a bargain for £550; cash register till proves trade; only wants seeing; genuine. Apply 142/9, Office of this Paper.

MANCHESTER.—Consulting, Prescribing and Recipe, and Goodwill of the celebrated Patent Medicine known as Hoffner's Cough Balsam.—For disposal, the old-established Business of J. Higham & Co. (J. Hoffner), situated 122 Portland Street; owner retiring after 43 years' occupation; an exceptional opportunity to a man with moderate capital.

WHITTLESEY, CAMBRIDGESHIRE.—To Chemists and Druggists.—For immediate sale as a going concern, owing to the death of the proprietor, a well-situated Dwelling-house and Shop with a good-class Dispensing, Family, and Retail business; established over 100 years; the house is in a good state of repair, and the shop is well fitted and stocked; there is in connection with the business an excellent Newspaper Agency and also a Fire Insurance Agency. Apply Mrs. M. H. Sharpley, Highcauseway, Whittlesey, Cambs.

YORKS.—Old-established Retail and Dispensing; rent £80; turnover about £2,000; good fittings; excellent position in main road of large town. Apply 146/5, Office of this Paper.

BRANCH Business for Sale, near London; returns £900; rent £40; good-class neighbourhood; £300; house and garden. Apply 146/600, Office of this Paper.

FIRST-CLASS Business for Sale, excellent shop and house, in West London suburb; returns over £2,500. Apply 146/270, Office of this Paper.

FOR Sale, Retail and Wholesale; turnover about £9,000; rent 9s. week; £4,000 required. Butterworth, 175 Oxford Road, Burnley.

GOOD-CLASS Retail and Dispensing Business in desirable Surrey village, within 25 miles of London; well fitted; modern; best position; returns £2,500 per annum at good prices; good house; moderate rent; price all at £1,500; if buyer in Army, vendor's staff will manage until discharged, or purchase can be arranged from that date; bankers and trade references required; no agents. Apply 139/32, Office of this Paper.

HIGH-CLASS Retail and Dispensing Business for disposal near Manchester; cash returns about £900, increasing; double-fronted shop in main thoroughfare; will accept valuation of stock and fixtures; part purchase money could remain over if more convenient to purchaser. Address 146/20, Office of this Paper.

OWING TO ILL-HEALTH.—For immediate disposal at valuation, a Chemist's Business, situated on one of the main roads in Manchester; rent £35, with house attached; returns for 1918 over £2,000; two weeks' trial given. Address 142/15, Office of this Paper.

PARSON C. BAKER

(Pharmaceutical Chemist),

Trade Valuer & Transfer Agent.

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.

Valuer to the Association of Manufacturing Chemists.

74 High Street, WALLINGFORD, Berks.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—YORKS (W. Riding).—Sound Ready-money Retail, in splendid position; returns average £2,500, increasing; *net profit* £700 to £800 clear; good house and Pharmacy; exceptionally well stocked, owner retiring; price £2,300; full value offered.

2.—SOUTH COAST.—First-class Retail and Dispensing Business; in same hands many years; retiring; returns about £900; commanding position; plenty of scope in energetic hands; attractive Pharmacy; well stocked; price simply valuation; no goodwill.

3.—OXON (Death Vacancy).—Old-established good-class country Business in centre of large agricultural district; quite unopposed; returns £1,350; *net profit* £367; good house and garden; well stocked shop; price about £900.

4.—SURREY (Suburb).—Good-class Retail and Dispensing Business in good position; returns £1,800; net profit nearly £450; books well kept; very convenient house; price about £900.

5.—CITY (Death Vacancy).—High-class Dispensing and Retail in splendid position; returns average about £30 weekly under management; plenty of scope; price for quick sale simply valuation, about £650.

6.—LONDON SUBURB, S.E.—Very profitable sound cash Retail; no Panel or Dispensing; returns £2,000; *net profit* £700; splendid main road position; well fitted and stocked; owner retiring; price £1,300.

7.—CRYSTAL PALACE (Near).—Middle-class Retail and Dispensing; returns over £1,200; good profits; no immediate opposition; low rent; fully stocked; price £675.

8.—LONDON, S.W.—Good-class Retail and Dispensing Business; in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price £450; part could remain; strongly recommended.

BUSINESSES WANTED.

We are in immediate want of sound concerns returning from £700 upwards; town and country; cash buyers waiting; intending vendors are cordially invited to correspond. Terms on application. Established 1870.

BUSINESSES WANTED.

A GOOD Cash Retail Business wanted in busy shopping thoroughfare, showing a net profit of not less than £400 a year; neglected business, or one under unqualified management not objected to if affording plenty of scope for increase. State fully all particulars, with price required, to "Beta" (143/37), Office of this Paper.

ADVERTISER, who is able to pay cash, wishes to purchase a sound Business in good shopping locality; North-Western county or North-West Midlands preferred; small market town not objected to. Apply 146/30, Office of this Paper.

GENTLEMAN wishes to purchase several genuine Businesses in London area; must show at least £400 net profit, and be open to thorough investigation. Full particulars, which will be treated in strictest confidence, should be addressed to Chemist, 26 Midhurst Avenue, N. 2.

MODERN Business with good prospects wanted, in or near London; cash. Apply 144/16, Office of this Paper.

SMALL Drug Stores; suit unqualified; London or country, with house accommodation; neglected one would do if an opportunity of working it up. State particulars and price for cash, or part cash and balance by instalments, good references, "Drugs" (146/26), Office of this Paper.

WANTED, a sound Business, returning £3,000 to £4,000; South preferred, not London; cash in hand; replies treated in strict confidence. "Potter" (126/14), Office of this Paper.

WANTED to purchase for cash, Retail Business on South Coast or South-East; must have overturn of at least £50 per week. Full particulars to Simpson, 6 Wilbury Crescent, Hove.

BRETT & CO.

Transfer Agents & Valuers,

73 LAUREL ROAD, LEICESTER.

Light Retail and Dispensing; South. Returns, £850. Price £650.

£2,000 Returns (nearly). Death Vacancy. Midlands. Good class county unopposed retail. No heavy trade or N.H.I. Good house and convenient premises. Stock in first-class condition. Stock and fixtures at valuation roughly about £1,000. No buyers with less capital need apply.

PARTNERSHIPS.

ADVERTISER, 33, with £500 capital in hand, would like to meet an energetic partner, or would enter a good-going concern; first-rate experience in Retail, Dispensing, and Photographic; accustomed to full management; view to succession entertained; replies treated in strictest confidence. "Alpha" (144/32), Office of this Paper.

PARTNERSHIP.—Wanted to invest £1,000 to £2,000 in Retail trade, either as Director or Partner, with light duties. Give full particulars to "Accountant," 6 Station Road, Burgess Hill.

WHOLESALE Drug, or manufacturing pertaining to the trade; advertiser would like to hear of something where experience, push, and good capital would give good return for service and investment. Apply 145/33, Office of this Paper.

FOR SALE.

ABOUT 12 gallons Harness Oil, best black, 1 and 2 gallon tins, 7*s.* gallon, including tins; also about 20 to 30 lb. Black Condition Powders (Antimony, Saltpetre, etc.), price 9*d.* lb. Apply 102/27, Office of this Paper.

ADVERTISER wishes to purchase a Proprietary; Tablet or Pill preferred, but not essential; would not object to one which had been neglected if there is scope for increase; ample capital at command; not advertised before. Apply 143/4; Office of this Paper.

CHEMIST'S Mahogany Shop Fittings for Sale; 12-Foot Counter, 7-foot Wall Case, Wall Fixtures, Shop Rounds, etc., also Balance and Freek Tablet Machine. Apply 146/9, Office of this Paper.

COPPER Jacketed Pans (2) on legs, complete, 20 gall., £18 and £20; Rustless Cast-iron Boiler (new), with draw-off connection, 30 gall., £3; Roberts' No. 1 Bottle-filling Machine, as new, £18; Weighing Machine, 4 cwt., equal balance, correct, unstamped, £3 5*s.*; Copper Gas Boiler, on stand, with gas connection, 10 gall., £4 5*s.*; ditto, 30 gall., tripod stand, £9. Jackson, Pownall Square, Liverpool.

DOCTOR, relinquishing practice, has over 200 Shop Rounds, wide and narrow-mouthed sizes, 20 to 1 ounce; also other sundries; can be seen in North London. Apply first by letter, Hadfield, 42 Devonshire Street, W. 1.

MIXER; very strong; mix anything up to the consistency of putty; fitted for power. Also a small size Mixer for hand. Apply 107/13, Office of this Paper.

MIXER for Sale; only in use one month; heavy zinc-lined mixing body, with gunmetal blades and breakers; fitted for power; size of mixing body inside, 3 ft. 1 in. wide by 1 ft. 7 in. front to back by 2 ft. deep; a very massive machine, suitable for mixing heavy masses. Box 131/30, Office of this Paper.

STEARINE, 8 cwt., for Sale. What offers? Apply 145/26, Office of this Paper.

TABLET Machine, rotary, medium size, by Sudworth, Nottingham, in first-class condition; complete, with extra dies and punches, £130. R. Howe, Engineer, Durant Street, Squirries Street, Bethnal Green, E.

WHAT offer for 3 gallon Liquid Ammonia in ½-gall. bottles, and 1 cwt. Sugar Soap? Hunter, Regent Street, Swindon, Wilts.

7 WINCHESTERS of Inf. Senegæ Conc., i. to vii., one W. of 5 lb. at 4*s.* 6*d.* lb.; carriage paid for 23*s.* 3*d.*; two pounds for 10*s.* 6*d.*, carriage paid; cash with order. John Noble, Pharmacist, 17 Owens Row, London, E.C. 1.

AGENCIES.

CANADA.—Manufacturers or Wholesale suppliers of Pharmaceutical preparations, Toilet Specialties, Toilet Soaps, Perfumery, Proprietaries, and Druggists' Sundries, have now a fine opportunity of capturing the lucrative Canadian market. Advertiser (at present with the Canadian Forces in this country) has unique experience of Canadian trade requirements, and would like to get in touch with good-class English houses desiring a live representative on the spot. Apply 121/3, Office of this Paper.

CANADA.—The undersigned would like to consider offers of Agencies from firms or companies connected with the Chemical industry, Pharmacy, and its allied branches, where products have not yet been exploited in Canada. Reply to 123/4, Office of this Paper.

PARIS.—An English or American firm, desirous of introducing Proprietary Medicines in France, can arrange for office and warehouse and other facilities in central position. Address Chatel-Guyon Miraton, 9 Rue Auber, Paris.

AMERICAN AGENCY DESIRED.—One of the most progressive and successful Drug houses in America, amply financed, with best selling organisation, and highest-class Representatives in the principal distributing centres of the United States, Central and South America, enjoying close and confidential relations with the most prominent Drug, Chemical, Pharmaceutical Manufacturers, and Wholesalers, desires American Agency of one or more equally prominent foreign Chemical or Specialty Manufacturers who desire best of American representation; highest bank and agency references. Apply 144/12, Office of this Paper.

AN Artificial Limb Manufacturing Co. in the Midlands is desirous of appointing Chemists or Opticians in various towns to act as Agents; an occasional window display could be arranged. Apply 145/22, Office of this Paper.

EASTERN REPRESENTATIVE.—A qualified English Chemist, who will be disengaged shortly, is prepared to represent a Wholesale and Manufacturing firm of Chemists and Druggists (Chemicals, Pharmaceutical preparations, Packed Goods, and Druggists' Sundries) in India, Burmah, and Ceylon. He has a thorough and extensive knowledge of Eastern trade, having been resident in the East for several years, and visited all the important towns in the above countries on behalf of London principals. Correspondence invited. Apply Post Box No. 341, Bombay (India).

AGENCY HOLLAND.

SINCE thirty years well-introduced Agent solicits representations for Holland in COLONIAL PRODUCTS, CHEMICALS, AND DRUGS.

First-class references.

Letters to be addressed to No. 5,600, Advertising Office, Ned. Kiosken Mij. Wijnhaven 85, Rotterdam, Holland.

SURGICAL INSTRUMENT and SUNDRY HOUSE, having large Showrooms and Warehouse in London, connection with Doctors, Hospitals, etc., and Representatives covering England, would like Agency or working arrangement with firm supplying Drugs. Apply first place to 235/60, Office of this Paper.

WANTED, to introduce to Continent by experienced Continental Pharmacist, British firms with first-class Specialities, to replace aforetime German lines. Communicate fully, "Win the Peace" (119/10), Office of this Paper.

SITUATIONS OPEN.

RETAIL.

BIRMINGHAM.—Assistant wanted (urgently) for Drug Counter; and Junior Assistant for Post Office department; good references required. State experience and salary required, Fred. Barlow, M.P.S., Balsall Heath, Birmingham.

BIRMINGHAM SUBURB.—Capable Assistant wanted (at once); afternoons off to attend classes if desired. Apply, stating salary required and full details, to Knowles & Taylor, 158 High Street, Harborne.

BIRMINGHAM.—Qualified Assistant required for progressive, quick cash business; permanency; state age and salary required. Apply "O.," 244/45, Office of this Paper.

BIRMINGHAM.—Elderly Qualified required; light duties; chiefly Dispensing; easy hours. Full particulars and salary required to T. J., 143/7, Office of this Paper.

BRIGHTON.—For first week in January, Assistant for high-class Retail and Dispensing business; first-class Dispensing experience an essential. Applicants kindly give particulars as to age, qualification, salary required, experience, etc., in first letter, B. C. Greening, Parris & Greening, 105 Church Road, Hove.

BRISTOL.—Qualified Manager; good salary and commission; permanency. Please state experience, earliest date disengaged, and usual particulars to Stokes, Chemist, Bristol.

BRISTOL.—Wanted (at once), a capable Assistant. Full particulars to Buxton & Co., Queen's Road, Clifton.

BRISTOL.—Wanted (at once), young man of good appearance as Junior Assistant or Improver; one with some experience in making B.P. preparations preferred; good opportunity and good prospects for smart man. Apply in first instance, giving full particulars and salary required, with photo, to 145/38, Office of this Paper.

BUCKS.—Immediately, qualified Assistant; energetic and good Counterman; no holiday or Sunday duty; short hours. Send photo, references, and all particulars in first letter, Lansdale & Co., Queen Square, High Wycombe.

CARDIFF.—Two unqualified Assistants (male) required immediately. State full particulars, salary required, and enclose photo if possible, W. T. Hicks & Co., 28 Duke Street, Cardiff.

DARLINGTON.—Managing Assistant required; abstainer preferred. Apply, stating age, height, experience, and salary required, to Waters, Chemist, Darlington.

DERBYSHIRE.—Qualified Assistant wanted (immediately); lady or gentleman; easy hours, no Sunday duty. Apply, giving age, experience, salary required, and recent references, to E. J. Latham, Pharmacist, Shirebrook, Derbyshire.

DERBYSHIRE.—A reliable qualified Assistant required for small middle-class Retail business with N.H.I.; hours moderate; no holiday or Sunday duty; a permanency for the right man. Salary and recent reference to 145/17, Office of this Paper.

EALING, W.—Required, an Assistant, lady or gentleman, for Counter and Stock. Please state particulars of previous experience, references, salary required (outdoors), to W. A. Weston, 8 Sandringham Parade, Ealing, W. 5.

HAMPSHIRE.—Wanted for a good-class Dispensing business in a beautiful Hampshire pine district near military camp, capable unqualified Assistant, with experience in good-class Retail trade; salary £130 a year; outdoors; short hours; gentleman or lady Assistant. Particulars and how soon disengaged, Keeble, Chemist, Liss, near Petersfield, Hants.

HOVE.—Manager required by January for high-class Dispensing business; one Assistant kept. State salary and all particulars to Weston & Co., 24 Church Road, Hove.

HUDDERSFIELD.—R. C. Walshaw will have a vacancy for a qualified Assistant at end of December; hours 6.30, Wednesdays 1 p.m., Saturdays 8 p.m. Usual particulars to 4 Market Place, Huddersfield.

HULL.—Required for middle-class Retail Business, with N.H.I. Dispensing, an outdoor Junior Assistant, able to take charge if required for one hour daily; hours 8.30 to 7, Thursday 1 p.m., Saturday 8 p.m.; lady with Apothecaries' Hall certificate not objected to if had a little Counter experience. Apply, stating age, salary required and references, and when at liberty, to A. J. Wharton, Chemist, 153 Hessle Road, Hull.

HULL.—Wanted, Assistant (outdoors), with Dispensing experience; permanent. State particulars and salary required to S. T. Kirton, Chemist, 53 Savile Street, Hull.

KENILWORTH.—Assistant, about 30, required, qualified preferred, for good-class Light Retail and Dispensing; must possess excellent recent references; short hours; weekly half-holiday; only applicants considered who possess good Dispensing experience, and who state full particulars and salary required in first letter; outdoors. A. G. Glasspool, 1 The Square, Kenilworth.

LEEDS.—Assistant or Dispenser, lady or gentleman, required (at once). Apply M. E. Murray, 221 Woodhouse Lane, Leeds.

LIVERPOOL.—Assistant (lady or gentleman) for good-class Dispensing and quick Retail business; hours 9 to 8 except Saturdays. Wednesday 1 o'clock, very little Sunday duty (every other). Apply, with particulars, to S. S. Holford, Major Pharmacist, 86 Allerton Road, Liverpool.

LONDON.—Competent Assistant for a good-class business; outdoors. H. Lloyd, 260 Upper Street, N. 1.

LONDON (City).—Assistant wanted (immediately); easy hours. Apply R. Howden, Chemist, 11 Fenchurch Street, E.C. 3.

LONDON (within easy reach of).—Wanted, lady Assistant, Counter and Dispensing, in Light Retail business; usual hours; comfortable berth. State salary, experience, etc., to 142/13, Office of this Paper.

LONDON.—Qualified single young man required; capable of taking charge in absence of principal; excellent prospects and a permanency. "H. L." (244/454), Office of this Paper.

LONDON.—Elderly qualified Chemist required; easy hours; light duties; permanency. "Elderly," 244/450, Office of this Paper.

LONDON, N.W. (Hampstead).—Junior wanted (lady or gentleman) for Dispensing business; in- or outdoors. Please write, giving details of age, experience, and salary required, to S. E. Amos, Chemist, Church Street, Weybridge.

LONDON, N.W. 6.—Good Junior Assistant wanted for Dispensing business; outdoors. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W.

LONDON, N.W.—Wanted, part-time Assistant for light Retail and Dispensing business. Apply, with particulars as to time at disposal, salary, etc., "Calx," 144/39, Office of this Paper.

LONDON, S.W.—Lady Assistant required (at once). Apply to A. J. Phillips, 156 Cromwell Road, S.W. 7.

LONDON, S.W.—An experienced Assistant required to take charge of Dispensing Counter. Apply to Plaister & Co., 13 Gledhow Terrace, Old Brompton Road, S.W. 5.

LONDON, S.W.—Qualified Assistant required; accurate Dispenser; good general knowledge of middle-class business; N.H.I.; outdoors; no Sunday duty. Apply Lloyd, St. John's Hill, Clapham Junction.

LONDON, S.W.—Wanted, unqualified Assistant, capable of taking charge; must be good-class man; good appearance and address; smart Salesman. Apply, giving full particulars, age, height, experience, when disengaged, to Toyne, 26 High Street, Putney.

LONDON, S.W.—Locum, qualified, immediate, or within a few days; middle-class business; help given several weeks. Apply personally, Goodall, 66 Lower Richmond Road, Putney.

LONDON, S.W.—Required, Assistance with Dispensing and Stock; preferably 7 to 9 P.M.; full particulars. Apply 145/4, Office of this Paper.

LONDON, W.—Wanted (immediately), Assistant for Counter and Dispensing. Apply, giving full particulars, to the Manager, Heppell & Co., 26 Piccadilly.

LONDON, W.—Wanted (at once), Assistant (lady or gentleman) for good-class Dispensing and Retail business. J. R. Faulkner & Co., 173 Ladbroke Grove, W. 10.

LONDON, W.—Wanted (immediately), Assistant for Counter and Dispensing. Apply, giving full particulars, to John Atkins, Chemist, 109 Queen's Road, Bayswater, W. 2.

LONDON, W.—Assistant Dispenser wanted; Improver or one just out of his apprenticeship preferred. Apply to "W." (243/60), Office of this Paper.

LONDON, W.C.—Qualified man as Manager at important branch; another as Assistant; must be experienced, competent, energetic; good progressive salary; permanency; outdoors; Pharmacy closes daily 8 p.m., Saturdays 9 p.m. Apply, with full particulars, to Cofman's Pharmacy, 6 Bloomsbury Street, London, W.C. 1.

MALVERN.—Unqualified Assistant required for high-class business; good opening for young man of good address; good Dispensing and Counter experience is essential; permanency. Apply "M." (244/453), Office of this Paper.

MANCHESTER.—Qualified Assistant (gentleman). Apply, stating age, experience, salary required (outdoors), and when disengaged, to A. Jeans, 151 Oxford Road, Manchester.

MANCHESTER.—Messrs. Blain & Hankinson, Pharmaceutical Chemists, 69 Market Street, require (before Christmas) a reliable Assistant, with or without qualification; badged man preferred.

MANCHESTER: ANCOATS HOSPITAL.—Wanted, a qualified (Minor) lady Dispenser, to devote whole time to the duty of the office; lunch and tea provided. Apply, not later than 17th December, stating age, experience, and salary required, together with copies of three recent testimonials, to Herbert J. Dafforne, Secretary.

MANCHESTER.—Wanted, reliable qualified Managing Assistant; outdoors. State particulars and salary, 144/26, Office of this Paper.

MIDLANDS.—Elderly Chemist required; supervision only; house free. State salary required, 131/34, Office of this Paper.

NEAR VICTORIA STATION.—Assistant wanted, hours 9 till 5, for Dispensing, Stock, and Counter; easy berth for suitable man. Apply "X. Y. Z." (146/12), Office of this Paper.

NORTH OF ENGLAND (Health Resort).—Wanted, Assistant; able to take entire charge, and desiring a permanency; character must bear strictest investigation; an absolute permanency for suitable man, either married or single. Apply, stating age, height, references, and salary required, to 142/3, Office of this Paper.

SCARBOROUGH.—Unqualified Assistant with good Dispensing experience; knowledge of Photography an advantage. State age, height, salary required, full particulars of experience, and photo if possible, to Whitfield & Son, 113 Westborough, Scarborough.

SHEFFIELD.—Messrs. G. T. W. Newsholme, Ltd., 27 High Street, Sheffield, require qualified Assistant with first-class experience. Address applications, giving full particulars, salary required, and references, to Mr. Austen.

SKIPTON, YORKSHIRE.—Wanted, unqualified Assistant with good experience. Apply, stating full particulars and salary required, to W. H. Green, Pharmaceutical Chemist, Skipton.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Qualified Manager required for progressive branch within 17 miles of Cardiff; man speaking Welsh preferred; liberal interest in the profits offered to any man who is prepared to put his whole energy into the business. Apply "S. W." (244/452), Office of this Paper.

SURREY.—A good berth offered to unqualified Assistant; short hours and every consideration given; locum entertained. Apply, giving salary and usual particulars, J. Wearing, Pharmacist, Woking.

WEST OF ENGLAND.—Wanted (at once), smart Assistant (unqualified); able to take charge at times; must be good Stock-keeper and Window-dresser, and of good appearance; excellent opportunity for right man. Apply with all particulars, salary required and enclose photo, to 145/380, Office of this Paper.

WEST RIDING.—Elderly qualified Chemist required (immediately); duties light; easy hours; permanency. Apply "L. M." (244/451), Office of this Paper.

WISBECH.—Wanted, Second Assistant or Junior; hours 8.30 to 8, Wednesdays 1, Saturdays 9. Apply, stating age, height, salary required (outdoors), references, and enclose photo, to Major Hill, M.P.S., Chemist, 109 Norfolk Street, Wisbech.

A RELIABLE Assistant wanted; easy hours and good wages to the right man. Chipchase, Silver Street, Edmonton, N. 18.

A YOUNG lady required; capable of telephone work and putting up stock; able to do a little Counter work an advantage; hours 9 a.m. to 6 p.m. Apply Maitland, Son & Lindley, 10 Chester Place, Hyde Park Square, W. 2.

A YOUTH required to act as Porter; hours 9 a.m. to 6 p.m. Apply Maitland, Son & Lindley, Chemists, 10 Chester Place, Hyde Park Square, W. 2.

AN experienced good Assistant (immediately). Photo (interview if possible), reference, salary, etc., Holloway, Pharmacist, Southend-on-Sea. 'Phone 492.

ARTHUR W. NUNN, Pharmaceutical Chemist and Pharmacist to the Essex County Hospital, is requiring (quickly) assistance at this Institution; applicants (male or female) must possess Hall certificate, and have had at least two years' practical experience in Dispensing; salary 2 guineas per week; outdoors. Apply 57 Crouch Street, Colchester.

ASSISTANT required at once, or after Christmas, outdoors, for Dispensing and Stock; would suit lady; hours 8.30 to 8, Saturday 9, half-day free from 1. State salary required and experience, H. J. Aubrey, 25 The Cross, Worcester.

ASSISTANT, chiefly for Dispensing; accustomed to good-class Retail and Dispensing business. Full particulars, including references and salary required (outdoors), to J. R. Cave, Ltd., 52 Nevill Street, Southport.

ASSISTANT (lady or gentleman) for Dispensing and light Counter work; moderate hours; outdoors. V. J. Woolls, Margate.

ASSISTANT required at once (either sex if experienced) for Counter and Stock; short hours; no Sunday or Bank Holiday duties; good salary. Mr. Orme, Palmeira House, Hove.

ASSISTANT Dispenser (lady) wanted; must be experienced and Minor qualification; board and residence provided. Address, stating age, salary required, and full particulars, with copies of not more than three testimonials, to the Secretary, Salford Royal Hospital.

ASSISTANT wanted for good-class Dispensing and Light Retail business; outdoors. Please state full particulars to R. Jeffrey & Son, Pitville, Cheltenham.

ASSISTANT to Dispense and relieve at Front Counter; qualification not so important as a good knowledge of a good-class country business. Please state salary required, and enclose photo if possible with usual particulars (permanency), Oldfield, 17 Cornhill, Ipswich.

ASSISTANT, with some knowledge of Dispensing, required for country business. State age, experience, and salary required (outdoors), to Horne, Chemist, Bourton-on-the-Water, Glos.

ASSISTANT wanted for good-class Dispensing business; Junior man or qualified lady entertained; outdoors. H. B. Lloyd, Lloyd & King, Cheltenham.

ASSISTANT wanted (Manchester); an experienced Dispenser required for high-class City business; no Sunday duty. Give full particulars with application to 244/6, Office of this Paper.

C. B. ALLEN & SONS, 20 High Road, Kilburn, N.W. 6, require immediate experienced Dispensing help. Telephone Hampstead 180.

CHIEFLY for Dispensing; lady or gentleman; hours 8.30 to 7 (three days), 8 p.m. (other days), half-holiday. Apply with full particulars, age, experience, salary required, photo if available, Woodward, Bull Green, Halifax.

COMPETENT Assistant wanted (at once). Dyson & Co., 35 Gloucester Road, South Kensington.

COUNTER Assistant wanted; unqualified; outdoors; liberal salary if experienced in modern methods; either sex. Meyrick & Davies, 34 James Street, Oxford Street.

COUNTER Assistant wanted at once; previous good experience essential. Please give full particulars to Frank A. Rogers, 327 Oxford Street, W. 1.

DISPENSER (qualified) required for a branch of the Birmingham General Dispensary from 1st January, 1919; permanency. Apply immediately, stating qualification, age, and salary expected, to the Secretary, General Dispensary, Union Street, Birmingham.

DISPENSER (lady or gentleman) required for North London Pharmacy; no Sunday or night duty; outdoors. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C. 1.

DISPENSING Chemist, with Pharmaceutical qualifications, required (temporarily) at the London County Mental Hospital, Colney Hatch, New Southgate, N. 11; £4 a week, no emoluments. Apply in writing, with particulars of qualifications and references, to Medical Superintendent.

EVENING Assistant (male) wanted for quick Counter work on Mondays, Tuesdays, Fridays, and Saturdays, and alternate Sundays. J. Brooks, Pharmacist, 8 High Street North, East Ham, E.

EXPERIENCED Manager wanted (immediately); comfortable berth; good salary; permanency; young preferred. Skitt, Pharmacist, Ramsgate.

HOGG & SON, Hyde Park, require capable Assistant, mainly for Dispensing. Apply personally or by letter, giving full particulars, and stating outdoor salary, to "E. G. H.," 1 Southwick Street, W. 2.

IMMEDIATELY.—Temporary Manager or Locum for good-class country business; qualified; absolutely trustworthy, energetic, and reliable; easy hours, with capable assistance; no N.H.I. Please state full particulars, references, salary required (outdoors), etc., to Andrews, "The Pharmacy," Daventry, Northants.

IMMEDIATELY.—Wanted, a qualified Chemist or General Manager of two Chemist's Shops; must be one experienced in buying and bookkeeping, with good references. Apply, stating age, height, and salary required, to Barkers, Chemists, Grimsby.

JOHN BELL & CROYDEN require qualified Assistant for outdoors; good pay; easy hours. Reply to John D. Marshall, 50 Wigmore Street.

JUNIOR Assistant wanted; must be able to Dispense and be excellently recommended. Apply, giving references and stating terms, to Robert Wallace, M.P.S., 9 High Street, Beckenham, Kent.

JUNIOR Assistant, lady or gentleman, with experience in Dispensing; outdoors; hours 9 to 8, 1 o'clock Wednesdays; no extra duty. Please give usual particulars, Morris, Chemist, The Rexall Pharmacy, Rochester. Can be free for Christmas.

LADY Assistant wanted, chiefly for Dispensing; moderate hours; outdoors; no Sunday duty; three lady Assistants employed. Apply Shields & Warren, St. Albans.

LADY Dispenser required for Muswell Hill district; good salary and prospects. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

LADY Dispenser and Bookkeeper wanted; light hours; under 35; £2 weekly. Letters only, "S.," 11 Russell Square, W.C.

LADY or gentleman (Minor) for Dispensing wanted (at once); age not objected to. Apply Brodribb, 344 Mare Street, Hackney, opposite Hackney Station.

LADY Minor for Light Retail and N.H.I.; London. State salary required, 146/33, Office of this Paper.

LOCUM wanted (at once) for a week or two; must be highly recommended. Apply, stating terms and giving references, to Robert Wallace, M.P.S., 9 High Street, Beckenham, Kent.

MANAGER for branch wanted. Please state age, experience, recent engagement, and salary required to H. W. Herbert, Chemist, Egham, Surrey.

MANAGER required; qualified in- or outdoors; one Assistant kept, and help given by proprietor; good salary will be given to suitable man, owner taking up medical studies; easy berth; short hours, and no Sunday or holiday duties. State terms and when disengaged, 143/19, Office of this Paper.

MANAGER for small branch near London; lady or gentleman; easy hours. Apply 146/6, Office of this Paper.

MESSRS. COOPER, SON & CO., LTD., require an Assistant (immediately) for the Dispensing Counter; lady or gentleman. Apply to Mr. E. J. Jenkins, 80 Gloucester Road, South Kensington, S.W.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

OPTICIAN wanted; male or female; good pay for capable person. Apply 133/30, Office of this Paper.

PART-TIME lady Assistant for Toilet, and assist at Counter; evenings only. Meyrick & Davies, 34 James Street, Oxford Street.

QUALIFIED Assistant; light duties; suit lady or elderly gentleman; easy hours; no Sunday or night duty. Applicants must send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Manager wanted (immediately) for Chemist's business in West Riding; permanency and good wages to a good man. Apply W. H. Cook, Ltd., Market Place, Huddersfield.

QUALIFIED Assistant; male or female; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

QUALIFIED Chemist for Dispensing and general Retail; lady or gentleman; capable and accurate. Apply, stating references, experience, salary, etc., to Chemist, 77 High Street, Croydon.

QUALIFIED Locum wanted for a few weeks. Write, with names of references, Cuff, 31 Abbeygate Street, Bury St. Edmunds.

QUALIFIED Assistant, lady or gentleman, also Junior, for the New Year; N.H.I. Dispensing and quick Counter trade; no Sunday duty. Please give full particulars of experience, salary required, and enclose photo, H. G. Williams, 118 The Moor, Sheffield.

QUALIFIED Manager required; comfortable berth and easy hours; permanency; one Assistant kept. State salary required and when disengaged, Clark, Green Street, Stevenage, Herts.

QUALIFIED Assistant required (immediately) for the Retail Counter. Full particulars to W. H. J., c/o Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 3.

QUALIFIED Assistant required for first-class Dispensing business near London; chiefly for Dispensing; three kept; unfurnished house over Pharmacy provided; must have had good experience. Apply, stating full particulars, including salary required, to "Calumba" (145/23), Office of this Paper.

QUALIFIED Manager for branch shop in busy locality; easy hours; permanency for suitable gentleman, young or elderly. State salary required to E. Tibbles, 65 Rustlings Road, Sheffield.

REQUIRED, a temporary unqualified Assistant; gentleman or lady; might be made a permanency; good berth; moderate hours and easy work. Apply, stating age, height, and salary required, giving references, to Barkers, Chemists, Grimsby.

REQUIRED (early in the New Year), qualified Senior Assistant; old-established high-class business. Apply 146/34, Office of this Paper.

SALARY £3 per week and free house.—Unqualified Assistant for good-class business on South Coast; must be good Salesman and Window-dresser; permanency. Apply with full particulars, age, height, experience, when disengaged, all treated in confidence, "Chemist," 20 Montefoire Road, Hove.

SATURDAYS.—Assistant wanted (3-9 p.m.); must be thoroughly reliable; references. Apply Dunn, 218 Kentish Town Road, N.W.

T. BELLAMY, Pharmaceutical Chemist, Chelmsford, requires Junior Assistant for good-class country business; easy hours; two others kept. Apply, stating wages, references, etc.

THOROUGHLY capable Assistant required (at once); qualified preferred. Also a Junior Dispenser. Nathl. Smith & Co., 373 High Street, Cheltenham.

UNQUALIFIED Assistant for Light Retail and N.H.I. Dispensing; no Sunday duty. Particulars of experience and salary required to Young, Chemist, Bristol.

WANTED, Wiltshire (end of December), competent and reliable Assistant, qualified preferred, for Dispensing and Light Retail, with N.H.I.; easy hours; must be fully capable of managing in absence of principal. State salary, references, and all usual particulars in first letter. Apply "Rhei" (142/29), Office of this Paper.

WANTED, amart Junior for high-class Retail and Dispensing business. State age, experience, references, and salary required to Buck, 179 Bedford Street, Liverpool.

WANTED, Assistant for good-class Dispensing and Counter business; quick and reliable; outdoors. State age, height, experience, and salary required, Savage & Co., Pharmaceutical Chemists, Brighton.

WANTED, reliable Assistant for good-class Dispensing business; capable of taking charge. Full particulars in first letter, Thomas Bros., Chemists, Cheltenham.

WANTED (at once) by Doctor, lady Dispenser-Bookkeeper (Hall certificate); good salary. Write full particulars, with references, to Dr. Reader, Westgate End House, Wakefield.

WANTED, capable unqualified Assistant for quick Cash Retail and Dispensing business; thoroughly trustworthy, and able to take charge; good Window-dresser; easy hours, no Sunday or holiday duty. State salary, when at liberty, references, and full particulars in first letter, to 139/29, Office of this Paper.

WANTED, Dental Mechanic and Operator; good and quick vulcanite worker, must be tactful and polite, for a well-established and well-advertised popular practice; good references; state wages required; good prospects. Walpole Dental Surgeries, 133 and 134 St. Mary's Street, Southampton.

WANTED, a lady Dispenser and Bookkeeper (Hall qualification); experienced. Apply, stating age and salary required (rooms and attendance provided), Dr. Graham, 13 Queen Street, Wigan.

WANTED, Junior Assistant for good-class Dispensing business. Apply Woolley & Co., Station Pharmacy, London Road, Leicester.

WANTED, energetic qualified Assistant for old-established business; hours 9 to 8, Wednesday 1 o'clock, alternate Sunday duty 2 hours. Apply, stating age, reference, and salary required, "Beta," c/o James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester.

WANTED by first week January, Junior Assistant; good Dispenser. State experience and salary required to C. J. Allan, Chemist, Redcar.

WANTED, qualified Dispenser and Bookkeeper; male or female; work light. Apply, stating age, experience, and salary, to Dr. Depres, Leek, Staffs.

WANTED, Dispenser; also a Junior Assistant. State salary required and usual particulars (outdoors), Jones, Chemist, Thayer Street, Manchester Square, W. 1.

WANTED, Assistant of good address, and accustomed to a high-class Dispensing business; not under 23 years of age; others kept; hours of business, 8.30 to 6; outdoors; ex-Service man preferred. Full particulars to Mr. Lewis, Chemist, Ealing, W. 5.

WANTED (at once), Assistant; accustomed to packing and putting up stock, etc.; no Dispensing experience necessary; either sex. Apply R. W. Walden, 65 Elizabeth Street, Eaton Square, S.W.

WANTED, capable energetic Assistant; good Counterman essential; knowledge of Photography and Window-dressing. Write, stating age, salary required, etc., to W. F. Johnson, Chemist, Milford Haven.

WANTED, Assistant, qualified preferred, for Dispensing, Family, and Agricultural business; hours very easy. State age, experience and salary required, and when disengaged, W. Pattinson, Chemist, Hexham-on-Tyne.

WANTED, competent Assistant in brisk Dispensing and Retail business; outdoors; personal interview preferred if possible. Apply Phillips, 29 High Street, Hampstead.

WANTED, Junior Assistant, in- or outdoors, to assist at Dispensing, preparing Galenicals at general routine work; excellent all-round experience can be obtained. Apply Phillips, 29 High Street, Hampstead.

WANTED, Manager for good-class suburban business, with view to succession or partnership; good salary, and nice house to live in. Apply, with full particulars, to 146/27, Office of this Paper.

WANTED, qualified Assistant (middle January); near London; competent to manage if required; Light Retail; good prospects for man desirous of getting married; salary £5 per week. Send full particulars to "Rex" (144/11), Office of this Paper.

10 CHESTER PLACE, HYDE PARK SQUARE, W. 2.—Required in a high-class Dispensing business, an Assistant, capable of Dispensing and Counter work; hours 9 a.m. to 8 p.m., two late nights until 9.30 p.m., duty every third Sunday, morning and evening only; excellent opportunities afforded to a first-class man. Apply Maitland, Son & Lindley.

£15 PER MONTH.—Really smart Counterman, unqualified, single preferred, for good family business; one used to good turnover, and good at Window-dressing and Stockkeeping; don't want the "dead alive—no hope" man, but one who wants a good chance in life; easy berth for quick active man, and salary will not end at figure named; references must be right; send photo and when disengaged (fare advanced). "Spero" (144/20), Office of this Paper.

WHOLESALE.

LONDON.—Wholesale house requires competent Clerk to take charge Surgeon's department; invoicing and dispatching; must have had good experience. Apply, stating age, previous engagements, and salary required, to "Medical" (244/43), Office of this Paper.

ASSISTANT (unqualified) wanted for the town Counter by a provincial firm of Manufacturing Chemists. Address, stating age, experience, and salary required, 243/3, Office of this Paper.

CHEMIST to take charge of small plant manufacturing a Pharmaceutical Chemical; also youth with some Chemical knowledge. Reply to 242/35, Office of this Paper.

DISPATCH Clerk; thoroughly competent man wanted (at once); one accustomed to control large staff; permanency; good salary paid. Apply 240/37, Office of this Paper.

GIRLS for Laboratory and ribboning Toilet goods. Apply Leighton, 35 Gray's Inn Road (opposite Holborn Hall).

GIRLS wanted in a London house for filling and finishing Packed Goods; piecework rates, equal to 35s. per week. Apply, stating full particulars, to 243/72, Office of this Paper.

LABORATORY.—Wanted for South Africa, a first-class man to take charge; climate healthy; conditions generally are good, and food plentiful. Apply Lennon, 14 Lafone Street, London, S.E.

LABORATORY hand required; one used to manufacture Galenicals; good prospects. State full experience and wages required, 224/47, Office of this Paper.

LADY Chemist as Laboratory Assistant required in London Factory for Perfumery and Toilet products; progressive salary and permanency to accurate and responsible worker. Apply by letter to "Export" (113/34), Office of this Paper.

MAN, experienced in manufacture of Galenicals, wanted by Granville Wood & Co., Wholesale Druggists, Ascroft Street, Oldham.

PILL, TABLET, AND CAPSULE DEPARTMENT.—Capable experienced man required to take full control. State age, experience, and salary required, 239/27, Office of this Paper.

PILLS AND TABLETS.—Wanted for South Africa, a Laboratory hand; thoroughly experienced in making Pills and Tablets; unmarried preferred. Apply Lennon, 14 Lafone Street, London, S.E.

REPRESENTATIVES wanted, with sound connection amongst Retail Chemists, for sale of Drugs, etc., on 10 per cent. commission basis. Reply, in confidence, to 121/8, Office of this Paper.

REPRESENTATIVES required throughout the United Kingdom for a wonderful Influenza Preventive and Cure; enormous demand; 10 per cent. commission only. Reply, stating ground covered, etc., "Newman" (143/38), Office of this Paper.

REQUIRED (at once), Junior Typist for Order department of Wholesale Druggist in City. Apply, stating salary and particulars, to "Office" (242/690), Office of this Paper.

REQUIRED, capable man to take position of Assistant Manager in Toilet Soap and Perfumery Manufacturers; must be in a position to control staff, and generally supervise departmental out put and oostings. Write, stating experience and salary required, to 133/29, Office of this Paper.

SUNDRIES, INSTRUMENTS, AND PATENTS.—Assistant wanted in London Druggists; good knowledge of department indispensable; commencing salary £175. Reply, giving full particulars, to 243/56, Office of this Paper.

TOILET PREPARATIONS, PERFUMERY, SOAPS.—Departmental Works Manager for London, with practical experience, required for the New Year; good and progressive position for competent man. Apply, full particulars, salary, to "Progressive" (239/30), Office of this Paper.

TRAVELLER (experienced) wanted for London and suburbs by Wholesale Chemical firm, to call upon Chemists; Chemicals only. Apply 143/30, Office of this Paper.

WANTED, Manufacturing Chemist; well up in making Toilet and other specialities of all descriptions for the wholesale market; a good workman possessing original recipes will be liberally treated. Address in first instance to "Chemist," c/o 11 Craven Hill, Paddington, W. 2.

WANTED, Invoice Clerk; experienced. Apply Wright, Layman & Umney, Ltd., 44-50 Southwark Street, London, S.E. 1.

WANTED, a good man to take charge of a Pomade and Toilet Works; previous experience necessary in the making up of all Toilet requisites. Apply 33 Bryn Street, Merthyr.

WANTED, Tablet Machinist, competent, for London district. Also Granulator; good wages and prospects to right men. Apply 144/30, Office of this Paper.

WET FLOOR.—Required, for London Wholesale Druggist, Counterman; must be experienced. Apply by letter, giving full particulars, to 242/69, Office of this Paper.

WET Floor Assistants wanted (at once). Apply Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

WOMAN Packer, with experience of Chemist's packing; able to superintend work of three or four others. Frizell & Co., 1 Cranbourn Street, W.C. 2.

YOUTH required for machine Pill-making; knowledge of pearl coating an advantage. Apply Allen & Hanburys, Ltd., Bethnal Green, E.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

FAR EAST.—One or two qualified Assistants; age 21 to 30; must have had good experience in first-class Dispensing and Retail business; liberal salary for suitable men; three or four years' agreement; passage paid out and home. Address "Export," 64 Crutched Friars, E.C.

JAPAN.—Wanted (immediately), an Assistant (qualified preferred) in a first-class Chemist's business at Kobe; easy hours; four years' contract; passage paid out and home. Send for full particulars, with photo, to J. W. Franklin, c/o Bailey's Hotel, Gloucester Road, S.W. 7.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

ADVERTISER (34), experienced qualified Manager, 9 years' London experience, desires post with view to succession, or one in which, apart from his services, he could have a financial interest; character and business ability of the first order. Address "Fair and Square" (142/4), Office of this Paper.

ADVERTISER, now temporarily occupied, is open to an engagement; unregistered, but qualified in all other respects; over 30 years' wide experience; either Counter or Dispensing, or Drug Store management. M. Smith, 7 King Street, Wolverhampton.

AS Manager or Senior; commence any time; qualified 1900; West of England preferred, but not essential; salary secondary consideration. Chemist, 62 Fox Road, Stapleton Road, Bristol.

ASSISTANT (unqualified) desires comfortable berth in good-class Pharmacy; young and active; good-class varied experience. Please state full particulars to "R. N.," 2 Spencers Road, Crawley, Sussex.

ASSISTANT, 24, 10 years' good-class experience, Counter, Dispensing, Photography, desires comfortable permanent berth; at liberty January 1st. Full particulars to "Provincial" (146/14), Office of this Paper.

ASSISTANT or Manager, unqualified (31), excellent dispenser, up-to-date counterman, varied experience, desires permanency in busy country town or seaside; undeniable references; disengaged end of January; offers to abstainer. Apply 144/28, Office of this Paper.

ASSISTANT or Manager; unqualified; 12 years last situation; elderly; outdoors occupation not objected to. Apply 144/27, Office of this Paper.

BRISTOL DISTRICT.—Qualified; middle-aged; active; any capacity. "Cymro" (139/25), Office of this Paper.

BRISTOL NEIGHBOURHOOD.—Assistant; 23; unqualified; commence immediately; highly recommended. Chemicus, 146 City Road, Bristol.

CHEMIST, 122a Holland Road, Kensington, W. 12, as locum; excellent experience and credentials.

DISPENSER wants Sunday, Tuesday afternoon, and Saturday evening, 8-9 work; 18 years' experience with Doctors and Chemists; *qualified in America.* Apply 114/7, Office of this Paper.

EXPERIENCED Assistant; Counter and Dispensing; Manager or Senior; tall; 36; London only. Apply 146/1, Office of this Paper.

L.P.S.I., with honours, 28, seeks responsible position; City preferred; West End and provincial experience; excellent references. Apply 144/14, Office of this Paper.

LADY (Hall) seeks post as Assistant Dispenser; Deal or neighbourhood preferred. Write Miss H. Todman, Manor Road, Deal.

LADY Dispenser (Hall), experienced, seeks post in London Hospital, or Doctor's preferred; London references; Dispensing only if Chemist. "Dispenser," 17 Hogarth Hill, Finchley Road, N.W. 4.

LADY Dispenser, daughter of deceased Army officer, desires employment; 10 years' experience with general Practitioner; thoroughly qualified and quick worker; highest reference. Miss A. Dawson, 297 London Road, Thornton Heath.

LIVERPOOL OR NORTH WALES.—Pharmacist, 32, desires post as Manager; accustomed to high-class Retail and Dispensing business; adequate remuneration and good prospects essential; disengaged January. Apply 142/14, Office of this Paper.

LOCUM or Temporary Manager; qualified; middle-aged; abstainer; disengaged. Please state terms, 142/16, Office of this Paper.

LOCUM disengaged; highest references provincial and London; good experience. Apply 145/360, Office of this Paper.

LOCUM; wide experience; highest references. Apply 146/36, Office of this Paper.

LOCUM Tenens or Temporary Manager; Liverpool district preferred; elderly. Pharmacist, 4 Berwyn Road, Liscard, Cheshire.

LOCUM; qualified; disengaged; town or country. Cito, 4 Blenheim Road, N.W. 8.

LOCUM; age 43; active; wide experience; West End, etc.; disengaged December 7th. Apply U.S.A. 143/320, Office of this Paper.

MANAGER, with view to succession; London or suburbs; unregistered; all-round experience; married. Apply 143/34, Office of this Paper.

MANAGER or Locum; 49; Major; experienced; disengaged; outdoors. Anthony, 58 Sumatra Road, West Hampstead, N.W. 6.

PART-TIME or Locum; eighteen years' London, country, Continent; considered good Counterman and quick Dispenser; fluent French. Burrell, 97 Borough High Street, London, S.E.

PHARMACIST and F.S.M.C., 36, married, requires situation as Manager; view to succession on easy terms; substantial deposit; scope for Optics on scientific lines; excellent opportunity, Pharmacist wishing to retire; strictly confidential. Apply "Peace" (142/24), Office of this Paper.

PHARMACIST, who has held responsible positions, desires similar post; North or Midlands preferred; excellent Dispensing, Photographic, Optical experience; Ucalite; abstainer; salary £5 week minimum. J. R., 138 High Holborn.

PHARMACIST; qualified; first-class experience in West End and provinces; steady and active. Full particulars to "Ajax," 144/8, Office of this Paper.

QUALIFIED Chemist, age 39, seeks situation as Senior or manager, with early view to partnership or succession; South preferred. "Bonâ-fide" (139/27), Office of this Paper.

QUALIFIED; 32; Manager or Senior; disengaged early in the New Year. Chemist, 7 Parklands Road, Streatham, S.W. 16.

QUALIFIED (51); good experience and reference; permanency; management or view to succession. Apply 145/8, Office of this Paper.

QUALIFIED; Manager of Locum; disengaged; reliable, abstainer. Apply 146/40, Office of this Paper.

QUALIFIED Chemist, experienced Dispenser and Salesman, desires a change, as Manager or Senior; salary about £6 weekly. Apply 144/10, Office of this Paper.

RELIABLE experienced man is looking for permanent appointment in the New Year; first-class Counterman; willing to help in any capacity; steady, active; moderate hours; fair wages, about £4 per week. "Unqualified," 53 Cramleigh Road, London.

STAFFORDSHIRE.—Locum Dispenser, lady, qualified, wanted for Doctor for two weeks from December 19th. Apply 144/21, Office of this Paper.

TO Portsmouth and District Chemists; for occasional or emergency relief; active and energetic; terms moderate. W. O. Smith, M.P.S., Charlfred, Fareham.

WOMAN Pharmacist desires post; Swansea or district; disengaged January; nine years' experience; Institution, Retail, and private practice. Miss H. W. Davies, Brook War Hospital, Shooters Hill, S.E. 18.

YOUNG lady, 18, holding senior school certificate of London University, desires apprenticeship to Pharmaceutical Chemist. Please send terms, 188 Philip Lane, Tottenham, N. 15.

WHOLESALE.

ADVERTISER, 39, tall and of good address, with over twenty years' first-class experience of Retail as Assistant and Manager, wishes to enter the Wholesale as Representative (London preferred) to a good firm. Please reply with full particulars, arranging an interview, to 130/29, Office of this Paper.

DEMOBILISED (Shortly).—Experienced Representative, age 33, good appearance and address, desires progressive position (when discharged home service); Drugs, Sundries, Packed Goods, Surgical appliances, etc.; previous journey Midlands, Eastern Counties; consider changing ground. "Energetic" (144/34), Office of this Paper.

FOREMAN Tablet-maker, 39, open to change; seven years present situation in sole charge; turnover exceeds £4,000 yearly; fair working knowledge of Pills, Capsules, Lozenges, and Pastilles; Stokes, Wilkinson, Colton machines and mixers; kindly state approximate wage offered. Apply 139/28, Office of this Paper.

MR. A. J. PEDLEY (concluded military services) would be pleased to hear of Proprietary or Toilet house requiring an experienced young, live Representative; highest testimonials. 25 Havelock Place, Stoke-on-Trent.

OFFICER (34) wishes to represent first-class house; Salines, Medicated Pastilles, Lozenges, etc.; prior to enlisting (10th August, 1914) called Chemists, Scotland. Apply 106/32, Office of this Paper.

PATENTS AND DRUGS.—Gentleman, with good experience in Patent and Drug house, wishes to better himself; would accept management of department or offers; free end of January. Apply 140/11, Office of this Paper.

PATHOLOGICAL LABORATORY ASSISTANT.—Lady, trained, wants post. "B.," Laddingford Lodge, Yalding, Kent.

QUALIFIED (23), requires position; wholesale manufactures or Laboratory. Apply 144/2, Office of this Paper.

SCOTLAND.—Representative, with first-class connection Retail and Wholesale Drug Trade, solicits agency for sound products. Apply 146/29, Office of this Paper.

STOCKTAKING.—Advertiser can take a few Stocks privately; terms moderately. Apply 143/32, Office of this Paper.

TO Photographic Chemists, &c.—The Advertiser is open to accept the management of this department, or to commence the Photographic business; one where there is a large Developing and Printing Department preferred; also well experienced in high-class Dispensing and General retail. Please give full particulars to "Foto," 145/11, Office of this Paper.

TOILET Specialities.—Advertiser, experienced, desires situation in Manufacturing Department; London or near. Apply 145/39, Office of this Paper.

TRAVELLER, experienced commercial training; smart Salesman, open to represent first-class house; Essences, Oils, Perfumes, etc.; sound connection Manufacturing Confectioners, Mineral-water Makers, Chemists, etc. Apply 121/5, Office of this Paper.

TRAVELLER, open to represent first-class house; have represented a well-known London sundry house for five years; character and abilities will stand investigation. Apply 145/29, Office of this Paper.

WAREHOUSE Manager, 48, capable correspondent, experienced, would negotiate for position early 1919; speciality, Essences, Oils, etc. Alpha, 145/31, Office of this Paper.

MISCELLANEOUS.

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GLUCOSE; pale amber liquid; three barrels, each containing 6¼ cwt., for sale, singly or together. What offers? Apply 206 Worple Road, Wimbledon.

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SODIUM Bromide, B.P., about 5 cwt., 5*s.* per lb., carriage paid; cash with order. Apply "Spot" (244/25), Office of this Paper.

SUGAR Milk; 10 cwt. Dutch pure white B.P.; ex store London. Best offer, F. Cole, 20 Chapel Street, Liverpool.

TO MANUFACTURING CHEMISTS.—1,000 4 to 6 galls. coloured glass Demijohns in wickers, with handles; sample on request. What offers? A. Preston, 77 Central Beach, Blackpool.

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OPTICAL AND PHOTOGRAPHIC.

PHOTOGRAPHIC Papers, Solio, S.T., Noctona, Velox, assorted sizes; V.P.K. to post-card; selling value £16; end of season clearance sale; clean and fresh; highest offers; carriage paid. Apply 143/18, Office of this Paper.

MISCELLANEOUS.

DISPENSING Scales, A and H, Class B; new condition. H. O. Field, Rawcliffe, East Grinstead.

FOR Sale, 1 Brownie Camera, No. 3; 2 Sparklet Syphons; 1 lb. Pulv. Ipecac.; 4½ gross Cooper Sheep Dip, 1d. packets. McMullan, Chemist, Larne.

ABOUT 1 cwt. genuine Carraway Seeds; splendid seeds, free from stalks or deads; 1 lb. for 5s. 3d., 7 lb. at 5s. per lb., 14 lb. at 4s. 9d. per lb.; carriage paid; sample if desired. T. Cook, Chemist, Lincoln.

TWO 9" Rotary Pill Cutters; also two 48/4, one 60/2½ grain round, 36/3 grain oval Hand Cutters, two Piping Presses, etc., for sale. Johnson, 80-82 Wellesley Road, N.W. 5.

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OVERSTOCKED.—Pocket Lamp Cases, complete with batteries and bulbs: 1 dozen Nickel Baby Torch, 42s. dozen; 3 dozen standard size case with bull's-eye lens, 24s. dozen; 1 dozen 2-cell Nickel Vest Pocket Lamps, 24s. dozen; sample for cost of single and postage 4d. C.W.O. Also 6 dozen 2-cell Baby Torch Batteries, 12s. dozen, carriage paid on two dozen; Bulbs, 3.5 or 2.5, clear, 4s. dozen; half opal, 6s. dozen, post free. G. A. Morris, Chemist, The Rexall Pharmacy, Rochester.

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THIOCAL Tabs. (5 gr.), stamped; Mortar, 6 or 8 size. McMullan, Chemist, Larne.

COLTON Pill-making Plant in good condition. Apply 242/60, Office of this Paper.

CAUSTIC Potash, sticks or lump, commercially pure. State price, 137/5, Office of this Paper.

GLEDHILL Till wanted to take 3½ in. paper. Write Cuff, 31 Abbeygate Street, Bury St. Edmunds.

PERSONAL Weighing Machine. M. Blumenthal, Pharmacist, 164 Lightbourne Road, Moston, Manchester.

KNEADING Machine for power; capacity 100 lb. Full particulars and price to 137/11, Office of this Paper.

SECOND-HAND Cash Register; small size. Write, giving full particulars as to price, etc., 145/2, Office of this Paper.

DENTAL Equipment, Chair, Engine, Cabinet, Forceps, and any Surgery Fittings. Apply 144/17, Office of this Paper.

"PHARMACEUTICAL Journal Formulary," latest edition, and 1914 "Pharmacopœia." Kendall, Chemist, Allerton, Bradford.

NATIONAL Cash Register; must be in perfect condition. State full particulars and price for cash, Morris, Chemist, Rexall Pharmacy, Rochester.

COUNTER Case, bent glass, 4 to 8 feet long; Tooth Brush Case, bent glass, roll top, similar, Maw's 198/W. Description and price to Stead, Duke Street, Brighton.

TABLET Coating Revolving Copper Pans wanted; diameter from 24 to 48 inches, jacketed or otherwise. Five fullest description, gearing speed, etc. Apply 238/17, Office of this Paper.

SEVERAL Wilkinson Standard Tablet Machines or 3B Colton Tablet Machine; also a good Mixer of the Pfeiderer type. Send particulars to G. Steven & Co., 118 Chorlton Road, Manchester.

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